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<210> 1220

⟨211⟩ 737

<212> DNA

<213> Homo sapiens

#### <400> 1220

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<210> 1221

<211> 698

<212> DNA

## <213> Homo sapiens

## <400> 1221

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<210> 1222

<211> 778

<212> DNA

<213> Homo sapiens

## <400> 1222

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<210> 1223

<211> 873

<212> DNA

<213> Homo sapiens

#### <400> 1223

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<210> 1224

<211> 833

<212> DNA

<213> Homo sapiens

# <400> 1224

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<210> 1225

<211> 856

<212> DNA.

<213> Homo sapiens

# <400> 1225

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gcaaagatta catgacaagg aaaaaccaga aaagtatggc ccatacacag gtaaaaaaaag aaattaatag aaactacccc tgaagaagca cagacttcgg atgtacaaaa caaagacttt 240 tcatcaactc ttttagatat gctagaagag ctaaaggaaa ccatggacag agaacaaaaa. 300 aattaggaaa gcaatgtctc atccaataca gaatatcaat aaagagattg aaattgtaga 360 aaagaaccaa atagaaatto tggagttgaa aagtattata actaaaactg aaaattcact 420 agaggtattc agcagcagac tggagaagtc agaagaaaga atcaacaggc ttcaagatag 480 540 gtcaattaag attatacagt ctgaggagca gaaaggaaaa agaatgaaga aaaatgaaca 600 gagcataaaa gacctctggg actctatcaa gcataccagt atatgcatga ggggagtccc 660 agaaggagaa gaaagagaga aagggacata atatttgaag aaataatggt agaaaatgtc 720 ccagetttga tgaaatacat gaatetagat atteaagang etcaaagaac eetaaatagg 780 gtaaactcag aagacccaac cggatgcaaa gtgactggtg tggtggcagt gccggggtcc 840 agttctcaga ngttangeng aaategettg acceggagea aaattgeggg ageeggattg cccaggcctc actggc 856

<210> 1226

<211> 842

<212> DNA

<213> Homo sapiens

## <400> 1226

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ggggaaaacc tgcctgctga tgagctacgc caacgacgcc ttcccagagg aatacgtgcc 600 cactgtgttt gaccactatg cagttactgt gactgtggga ggcaagcaac acttgctcgg 660 actgtatgac acccgcggga caggaggact acaaccagct gaggccactc tnctacccca 720 acacggatgt gtttttgat ctgcttctct ggcgtaaacc ctggctntta ccacaatgtc 780 caggangaat gggtccccga acttcaagga ctgnatgcct taagtgccct tatgtcctca 840 ta

<210> 1227

**<211> 825** 

<212> DNA

<213> Homo sapiens

#### <400> 1227

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<210> 1228

<211> 888

<212> DNA

<213> Homo sapiens

## <400> 1228

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<210> 1229

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1229

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<210> 1230

⟨211⟩ 818

<212> DNA

<213> Homo sapiens

## <400> 1230

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<210> 1231

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1231

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<210> 1232

⟨211⟩ 679

<212> DNA

<213> Homo sapiens

## <400> 1232

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⟨210⟩ 1233

<211> 781

<212> DNA

<213> Homo sapiens

## <400> 1233

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⟨210⟩ 1234

**<211> 717** 

<212> DNA

<213> Homo sapiens

#### <400> 1234

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<210> 1235

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1235

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<210> 1236

<211> 862

<212> DNA

<213> Homo sapiens

## <400> 1236

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#### 特平11-248036:

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<210> 1237

<211> 729

<212> DNA

<213> Homo sapiens

#### <400> 1237

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<210> 1238 <211> 620 <212> DNA <213> Homo sapiens

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<210> 1239

<211> 837

<212> DNA -

<213> Homo sapiens

#### <400> 1239

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<210≥ 1240

<211> 770

<212> DNA

<213> Homo sapiens

## <400> 1240

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<210> 1241

<211> 763 <212> DNA

<213> Homo sapiens

# <400> 1241

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<210> 1242

<211> 810

<212> DNA

<213> Homo sapiens

# <400> 1242

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<210> 1243

<211> 711

<212> DNA

<213> Homo sapiens.

## <400> 1243

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cattatttaa	aatttcatga	atgaaacttt	gcatctttaa	tactaacact	agcctagacc	660
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<210> 1244

<211> 628

<212> DNA

<213> Homo sapiens

## <400> 1244

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<210> 1245

<211> 689

<212> DNA

<213> Homo sapiens

## <400> 1245

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<210> 1246

⟨211⟩ 845

<212> DNA

<213> Homo sapiens

#### <400> 1246

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ttaagtcaaa taccaattat caatgtaagc atactggctt atgcagaaat taccctgctg 780 gtttccattt gaacccaatg ngttactcta gtttataaaa taatcntgng aagtttgcag 840 ctttt

<210> 1247

<211> 821

<212> DNA

<213> Homo sapiens

#### <400> 1247

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<210> 1248

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1248

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<210> 1249

⟨211⟩ 777

<212> DNA

<213> Homo sapiens

#### <400> 1249

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<210> 1250

<211> 848

<212> DNA

<213> Homo sapiens

## **<400> 1250**

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<210> 1251

<211> 749

<212> DNA

<213> Homo sapiens

# <400> 1251

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•	gatggagacg	ccagccaatg	agatgacgcc	aaccagattt	gccgaaatta	ttgagaagaa	660
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<210> 1252

<211> 792

<212> DNA

⟨213⟩ Homo sapiens

# <400> 1252

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<210> 1253

<211> 642

<212> DNA

<213> Homo sapiens

## <400> 1253

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<210> 1254
<211> 685
<212> DNA
<213> Homo sapiens

## <400> 1254

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<210> 1255

**<211>** 752

<212> DNA

<213> Homo sapiens

## **<400> 1255**

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**<210> 1256** 

**<211> 561** 

<212> DNA

<213> Homo sapiens

## <400> 1256

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**<210> 1257** 

<211> 776

<212> DNA

<213≻ Homo sapiens

# <400> 1257

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ttactaaatt	cccatttttc	cactttaagt	tgtgtggctg	gtaatagcgt	ccgccttctg	180
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acatacttat	tttaatggga	ttagaaaaat	gagttgttcc	ctggtaagct	tgaccccag	720
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<210> 1258

<211> 726

<212> DNA

<213≻ Homo sapiens

# <400> 1258

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gactcagtag	aagtgaagag	aaataaagtg	agataagttg	ttcactggag	agcaaatttt	180
gaaaatagaa	caattccaag	ggatgataag	tttaccttgt	ggccctccgc	ttgaatagca	240
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ttgaaggatc accaacatgt tgtgatggag tgggctacag ttcaacacat ccctgttgcc 360 catattettt geaettiggt gagttaacca taaataaatt etigteigat ateetettaa 420 aatagaattt accttatttt ccaaccagat tatttaaatg ttttgcagaa gtgagtattg 480 atttactgaa ctgttcttta ataatcacag ctggaaattg caaaagatca tcaactatga 540 aactatataa atagaacgag ataaagaaat gggaaagtgc cttcttccct tagttctcta 600 ttcagttggt gaagaactgt aataaatctt attgaaatct agagttttta attaagaaaa 660 cagaaagctc atgttaaatt tacngataag agttatgcct ncctcaatat tgccaacttt 720 726 antttg

<210> 1259

⟨211⟩ 773

<212> DNA

<213> Homo sapiens

#### <400> 1259

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<210> 1260

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1260

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	tgttcacact	aagatcttta	aactttacaa	tggtgaaaag	gcaatatgca	ttccatagaa	180
	ctcatacaac	cattttgttc	ttaactttca	gtaaaatatt	caataaatat	tcaataaact	240
	aattcaaaaa	attactttat	tacaaaatag	gctttgtgtt	agaggatttt	gcccaactgc	300
	aagctaatgg	aagtgttctg	agcacattca	aggtaggcta	ggctgagctg	tgatgttcag	360
	tggattaggt	attaaatgca	tttttaactt	acaataattt	caacttataa	tgaatttatc	420
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	tcatccccac	aagacagata	tagttctgca	tttctcatgc	agattctaca	ggcctttatt	540
•	ctaattttt	aatgtgccaa	ttttatcata	tttggtttct	tcagtcttta	atatattcat	600
	gtagatgtct	gtgaattata	gtctatctat	gcttgtaggc	tttaaaatat	atttaagtca	660
	atggtgggta	gaaattttat	tttagcttaa	aaaattaatc	ttataaaatg	cctgctgaca	720
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<210> 1261

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1261

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agagttcaag getgeagtga gtggtgatgg agecatgeae teageetggg egaeagggta 180 agaccetgte teagaattaa aaaaaacaac aacaaaacaa catacataaa tacctgattt gtgtactact gagaaaagtt cagttcttgg ggagagtttc agtttttccc atcaagaact 300 gcgtggtatt ttttgttatt tgtgtgtgtg tgcgcgtgtg agacagagtc ttgctctgtc 360 420 atccaggetg gagtgcagtg atgtgatett ggetcactgc ageettcaac teetgggtte aagcgattet egtgeeteag eeacetgggt agetgggatt acagacgeae accaccacac 480 540 ccagctaatt tttgtatttt tagtagagat ggggttttcc atgttggcca ggctggtccc gaactcccga cttttcaagt gatccaccca ccttggcttc ccaaagtact gggattacag 600 gtgtgagcca ccactaccag ctgagaactg tgtgttctta tgctccgtgt gctacttata 660 720 teteagacaa egaceagatt tittaeeata eeaagtnaaa tagtaaggag aagggaaact 768 gtncatatat ctttttgnct tttaggaaac ttttacaaat gggattca

<210> 1262

<211> 853

<212> DNA

<213> Homo sapiens

#### <400> 1262

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<210> 1263

<211> 697

<212> DNA

<213≻ Homo sapiens

# <400> 1263

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cgggcctgtg	cccacagacc	taggtgaaga	caggcactcc	agccttcacg	tccaaatgtt	120
gcatttccca	agaccacttt	gacccgccac	gccccattc	tgtgcctata	aaaaccccaa	180
gaccctagca	ggaagacaca	caagctggat	gccgagagaa	acacattggc	gaaggaatac	240
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<210> 1264

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1264

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⟨210⟩ 1265

**<211> 834** 

<212> DNA

<213> Homo sapiens

#### <400> 1265

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<210> 1266

<211> 861

<212> DNA

<213> Homo sapiens

#### <400> 1266

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## ataattaatt tattattggt t

861

<210> 1267

<211> 800

<212> DNA

<213> Homo sapiens

#### **<400> 1267**

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<210> 1268

**<211> 741** 

<212> DNA

<213> Homo sapiens

<400> 1268

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<210> 1269

<211> 811 -

<212> DNA

<213> Homo sapiens

## **<400> 1269**

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<210> 1270.

<211> 837

<212> DNA

<213> Homo sapiens.

<400> 1270

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<210> 1271

**<211> 819** 

<212> DNA

<213> Homo sapiens

### <400> 1271

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<210> 1272

<211> 745

<212> DNA ...

<213> Homo sapiens

## <400> 1272

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<210> 1273

⟨211⟩ 787

<212> DNA

<213> Homo sapiens

## <400> 1273

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ncagggc 787

<210> 1274

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1274

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<210> 1275

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1275

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<210> 1276

<211> 705

<212> DNA

<213> Homo sapiens

## <400> 1276

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tctgicaggc cigatgggc tcagcicatg aatagcatgg gggiticiggg atcagcicci 180
tgggacaggg caggccigga ggggicacci gtaaaaagit ggtaagcagg ggcattgica 240
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ctittigcig tgcaccica ggcggicag caaccicic gaacacacac ccagiciaca 360
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gaataaatta gitigiccatc ctagcataga gcccagaaca aggcactgaa aagacticit 480

aaatttttt gtccaacaac atcttggaca gttctcattt atgtcaacat gcctggtcct 540 gattttgttg gtcatatttg catgtcatat tttaaaccat gaagcataat aaccaactaa 600 gtaagaaagc cctggcaaaa aagctgagag gtctggtgca atggatcacg cctgtgatcc 660 cagcacgttt ggaagccgan gtgggncaga ttgctttgnc ccaga 705

<210> 1277

**<211> 752** 

<212> DNA

<213> Homo sapiens

#### <400> 1277

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<210> 1278

<211> 810

<212> DNA

<213> Homo sapiens

### <400> 1278

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<210> 1279

<211> 764

<212> DNA

<213> Homo sapiens

# **<400>** 1279

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cctggctca tcacatctc tctctgactc tcatcttcct ctcttttcc tttataagga 420
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<210> 1280

<211> 758

<212> DNA

<213> Homo sapiens

# <400> 1280

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**<210> 1281** 

<211> 705

<212> DNA

<213> Homo sapiens

# <400> 1281

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tttgaaagct gaga	atggttt gtgagaaaca	ttgtgangca	atgtggcgtg	aataattgnc	660
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<210> 1282

<211> 639

<212> DNA

<213≻ Homo sapiens

# <400> 1282

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<210> 1283

<211> 790

<212> DNA

<213> Homo sapiens

#### <400> 1283

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<210> 1284

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1284

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acaggggaaa ggt	gaagtgg ccagtacacc	ctintgacaa	tttggatcct	aagttgactg	720
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⟨210⟩ 1285

<211> 883

<212> DNA

<213> Homo sapiens

**<400> 1285** 

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⟨210⟩ 1286

<211> 764

<212> DNA

<213> Homo sapiens

### **<400> 1286**

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<210> 1287

<211> 763

<212> DNA

<213> Homo sapiens

#### <400> 1287

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<210> 1288

**<211> 733** 

<212> DNA

<213> Homo sapiens

# <400> 1288

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<210> 1289

<211> 825

<212> DNA

<213> Homo sapiens

# <400> 1289

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<210> 1290

<211> 799

<212> DNA

<213> Homo sapiens

#### <400> 1290

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**<210> 1291** 

<211> 781

<212> DNA

<213> Homo sapiens

# <400> 1291

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aatgtagaag	aggtactaat	gtgtgtcatg	aaaatctatt	ctagattcgc	agataactct	180
agttccccg	tgccccttt	atgatttaaa	atcctacctt	aatagaggat	ttttgtccta	240
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<210> 1292

<211> 846

<212> DNA

<213> Homo sapiens

# <400> 1292

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(210) 1293

⟨211⟩ 851

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 1293

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<210> 1294

<211> 850

<212> DNA

<213> Homo sapiens

#### <400> 1294"

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<210> 1295

<211> 800
<212> DNA
<213> Homo sapiens

# <400> 1295

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cagactggcc	aaaaggatga	aaccccatca	ctctactaaa	aatacaaaaa	attagccagg	180
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<210> 1296

<211> 634

<212> DNA

<213> Homo sapiens

# <400> 1296

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⟨210⟩ 1297

**<211> 781** 

<212> DNA

<213> Homo sapiens

## <400> 1297

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<210> 1298

<211> 786

<212> DNA

<213> Homo sapiens

# <400> 1298

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<210> 1299

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1299

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⟨210⟩ 1300

<211> 782

<212> DNA

<213> Homo sapiens

#### <400> 1300

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⟨210⟩ 1301

<211> 823

<212> DNA ≤

<213> Homo sapiens

#### <400> 1301

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<210> 1302 ·

<211> 794

<212> DNA

<213> Homo sapiens

# <400> 1302

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<210> 1303

<211> 769

<212> DNA

<213> Homo sapiens

# **<400>** 1303

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<210> 1304

<211> 770

<212> DNA

<213> Homo sapiens

### <400> 1304

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<210> 1305

<211> 825

<212> DNA

<213> Homo sapiens

# <400> 1305

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gataatatgg	agacattagt	tcatctgatc	atttcccang	accatactat	tcatcagcaa	780
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<210> 1306

<211> 786

<212> DNA

<213> Homo sapiens □

<400> 1306

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<210> 1307.

<211> 685

<212> DNA

<213> Homo sapiens

### <400> 1307

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<210> 1308

<211> 733

<212> DNA

<213≻ Homo sapiens

# <400> 1308

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<210> 1309

<211> 824

<212> DNA

<213> Homo sapiens

# <400> 1309

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gatttttaaa	cacagtattt	atatttaaca	gaatgtcata	aaaatgacag	aatgccatga	780
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<210> 1310 ·

<211> 746

<212> DNA

<213≻ Homo sapiens

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<210> 1311

⟨211⟩ 756

<212> DNA

<213> Homo sapiens

#### <400> 1311

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⟨210⟩ 1312

<211> 650

<212> DNA :

<213≻ Homo sapiens

# <400> 1312

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<210> 1313

<211> 685

<212> DNA

<213> Homo sapiens

# <400> 1313

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⟨210⟩ 1314

⟨211⟩ 866

<212> DNA

<213> Homo sapiens

#### <400> 1314

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⟨211⟩ 830

<212> DNA

<213> Homo sapiens

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<210> 1316

⟨211⟩ 849

<212> DNA

<213> Homo sapiens

# <400> 1316

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⟨210⟩ 1317

<211> 854

<212> DNA

<213> Homo sapiens

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<210> 1318

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1318

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<210> 1319

<211> 819

# <212> DNA

# $\langle 213 \rangle$ Homo sapiens

# <400> 1319

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<210> 1320

⟨211⟩ 788

<212> DNA

<213≻ Homo sapiens

# <400> 1320

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ataaagcatt ttta	atcaggt acctctgttc	caagggattt	atgtcttaga	ccatagctga	180
attgaatgtt tgc	aaaacac tgctatagga	taaggtggtc	tttagttttg	aacgtgtgaa	240

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<210> 1321

<211> 844

<212> DNA

<213> Homo sapiens

## <400> 1321

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<210> 1322

<211> 823

<212> DNA

<213> Homo sapiens

# <400> 1322

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gaa	atgtttta	cgataacatt	aattacctga	ttttcaatac	agttatgact	gaggaatgat	300
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gg	ttcattaa	aagcacaaat	aaaacaattt	aatctctttg	aaataaagta	ataaaagtac	480
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ca	taaatttc	catacttttt	cccttaactg	gttattttct	taaaagtcag	aatttaatat	600
gg	cgtatttc	ttttttgccc	ctcctgcccc	ccccaccaac	tgatattatc	cattccatag	660
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<210> 1323

<211> 825

<212> DNA

<213> Homo sapiens

### ⟨400⟩ 1323

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<210> 1324

<211> 848

<212> DNA

<213> Homo sapiens

#### <400> 1324 ·-

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<210> 1325

⟨211⟩ 853

<212> DNA

<213> Homo sapiens

### ⟨400⟩ 1325

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						*
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tgagtggagg	atg					853
					•	•
⟨210⟩ 1326				•		
<211> 842	V 8.	e de la companya de La companya de la co	•			٠.
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<213> Homo	sapiens					
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<210> 1327

<211> 862

<212> DNA

<213> Homo sapiens

420

540

600

660

720

780

840

842

# <400> 1327

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<210> 1328

<211> 744

<212> DNA

<213> Homo sapiens

#### <400> 1328

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<210> 1329

<211> 865

<212> DNA

<213> Homo sapiens

### <400> 1329

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# ctgggaaatt ggcaaagngg attat

865

<210> 1330

<211> 855

<212> DNA

<213≻ Homo sapiens

<400> 1330

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⟨210⟩ 1331

<211> 826

<212> DNA

<213> Homo sapiens

# <400> 1331

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⟨210⟩ 1332

<211> 807

<212> DNA

<213> Homo sapiens

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<210> 1333

**<211> 814** 

<212> DNA

<213> Homo sapiens

### <400> 1333

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### <400> 1334

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<211> 705

<212> DNA

<213> Homo sapiens

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<210> 1336

<211> 726

<212> DNA

<213> Homo sapiens

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<210> 1337 <211> 654

<212> DNA

<213> Homo sapiens

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<210> 1338

<211> 672

<212> DNA

<213> Homo sapiens

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<210> 1339

<211> 706

<212> DNA

<213> Homo sapiens

### <400> 1339

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<210> 1340

<211> 819

<212> DNA

<213> Homo sapiens

# <400> 1340

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<210> 1341

**<211> 818** 

<212> DNA

<213> Homo sapiens

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<210> 1342

<211> 761

<212> DNA

<213> Homo sapiens

#### <400> 1342

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•	⟨210⟩ 1343					•	
	⟨211⟩ 614						
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**<210> 1345** 

<211> 456

<212> DNA

<213> Homo sapiens

### **<400> 1345**

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⟨210⟩ 1346

**<211>. 819** 

<212> DNA

<213> Homo sapiens

# <400> 1346

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<210> 1347

⟨211⟩ 839

<212> DNA

<213> Homo sapiens

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<210> 1348

<211> 849

<212> DNA

<213> Homo sapiens

### <400> 1348

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<210> 1349

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1349

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<210> 1350

<211> 809

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# <213≻ Homo sapiens

# <400> 1350

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<210> 1351

<211> 745

<212> DNA

<213≻ Homo sapiens

# <400> 1351

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<211> 876

<212> DNA

<213> Homo sapiens

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60

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<210> 1355

<211> 726

<212> DNA

<213> Homo sapiens

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<211> 870

<212> DNA

<213> Homo sapiens

### <400> 1356

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₹210> 1357

<211> 810

<212> DNA

# <213≻ Homo sapiens

# <400> 1357

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<210> 1358

<211> 783

<212> DNA

<213≯ Homo sapiens

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<210> 1359 ·

<211> 771

<212> DNA

<213> Homo sapiens

### <400> 1359

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<210> 1360

<211> 751

<212> DNA

<213> Homo sapiens

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<210> 1361

<211> 784

<212> DNA

<213> Homo sapiens

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<210> 1362

**<211> 752** 

<212> DNA

<213> Homo sapiens

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<210> 1363

**<211> 752** 

<212> DNA

<213> Homo sapiens

### <400> 1363

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<210> 1364

<211> 840-

<212> DNA

<213> Homo sapiens

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<210> 1365

<211> 689

<212> DNA

<213> Homo sapiens

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<210> 1366

**<211> 693** 

<212> DNA

<213> Homo sapiens

<400> 1366

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<210> 1367

<211> 718

<212> DNA

<213> Homo sapiens

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<210> 1368

<211> 809

<212> DNA

<213> Homo sapiens

#### <400> 1368

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<210> 1369

<211> 834

<212> DNA

<213> Homo sapiens

#### <400> 1369

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<210> 1370

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1370

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acaatagctt	tectgnettt	ctagaactta	cattctagta	ngggaaacag	caataaagaa	720
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⟨210⟩ 1371

<211> 587

<212> DNA

<213> Homo sapiens

<400> 1371

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⟨210⟩ 1372

**<211> 881** 

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 1372

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<210> 1373

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1373

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	aagaattagg	agatgaaaaa	agacttgaga	aagaacagtt	actggcagag	gaagaggatg	. 180
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,	ctataatctg	gcagagtgaa	gaaaggaggc	ggagcaaaca	gattagaaaa	gaatatttca	480
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<210> 1374

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1374

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<210> 1375

⟨211⟩ 831

<212> DNA

<213> Homo sapiens

### <400> 1375

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<213> Homo sapiens

### <400> 1376

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<210> 1377

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1377

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<210> 1378

<211> 781

<212> DNA

<213> Homo sapiens

### <400> 1378

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<210> 1379

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1379

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<210> 1380

<211> 740

<212> DNA

<213> Homo sapiens

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<210> 1381

<211> 708

<212> DNA

<213> Homo sapiens

# <400> 1381

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⟨210⟩ 1382

<211> 670

<212> DNA

<213> Homo sapiens

### <400> 1382

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<210> 1383

**<211> 773** 

<212> DNA

<213> Homo sapiens

### <400> 1383

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aactggtctt	tcttcctgga	atactcttcc	tcttagtttt	tataagatta	ggtacttctt	360
ttaactcaga	tctcagcttc	actgactcat	ccttagagat	tggacttact	ctcacatttc	420
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cattcacgtt	ggtgggcaat	gatcataagc	ncccatctnt	agaactttt	catetttcca	720
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<210> 1384

⟨211⟩ 689

<212> DNA

<213> Homo sapiens

## <400> 1384

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ttaacatggc tgaagagaag attagtgaat tggaagatag aacaatagat gttatcaaga 540 ctacttcatc tgatgagtca tagtgaaaaa ttagaataca tacaaggaaa tccaatgaga 600 aattcacatg caataataga tggaagaatc atagacatga taattggaaa gaggctttaa 660 aataaacnta cntatttaaa ggagatgcn

<210> 1385

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1385

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cagcacagct	ctgtgaggct	gtgtctcttc	actctgtttc	tggggctgct	gaggcccctg	180
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⟨210⟩ 1386

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1386

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<210> 1387

**<211> 731** 

<212> DNA

<213> Homo sapiens

## <400> 1387

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taccattgtg attggttcag ggataggtgt aaaatgtcan gggacagtga gaccacaacc 660
ttgtacttct gtgaatgatt acncacacac acacaatcag ccatacttgc ctcttctgan 720
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⟨210⟩ 1388

<211> 809

<212> DNA

<213> Homo sapiens

#### <400> 1388

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<210>, 1389

⟨211⟩ 835

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 1389

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<210> 1390 ⋅

<211> 438

<212> DNA

<213> Homo sapiens

### <400> 1390

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gagtaaagga	atttcctaag	ctactgccat	gtgtcaggcc	cactgntngg	caatttatat	420
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	· · · ; · · ,·		- * *			• •
<210> 1391						
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cttcagatcc ccatggagca actgnaaaac gaatgtncat ctacagtggc aacaagcctg

caggatacca agtaagttta aggagccttg agttcttgct aaggcctggg ctggctggga

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<210> 1392

<211> 798

<212> DNA

<213> Homo sapiens

780

840

881

# <400> 1392

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<210> 1393

<211> 787

<212> DNA

<213> Homo sapiens

# <400>. 1393

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acctaagata	tttcaacatt	tttgaaagat	tagtaataaa	acatgccata	tttaaaaaagc	180
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<210> 1394

<211> 866

<212> DNA

<213> Homo sapiens

### <400> 1394

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#### tggggggatg ggggaaggga agcntt

866

⟨210⟩ 1395

⟨211⟩ 817

<212> DNA

<213> Homo sapiens

<400> 1395

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<210> 1396

<211> 764

<212> .DNA

<213> Homo sapiens

<400> .1396.

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<210> 1397

<211>:774

<212> DNA

<213> Homo sapiens

### <400> 1397

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<210> 1398

<211> 804

<212> DNA

<213> Homo sapiens

#### <400> 1398

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<210> 1399

<211> 847

<212> DNA

## <213> Homo sapiens

### <400> 1399

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<210> 1400

<211> 782

<212> DNA

<213> Homo sapiens

### <400> 1400

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aacattcatg cgtgaaataa ctgtaaagta cactgtaata attttggtct tgctcaaatc 300 aagaattttt tagtaaccat gttattttac agacaatatt gaggcataac aaaataaagg 360 gtgctggaag cattcattcc ttacccctct cttttaagaa tacgaagatg gcattgatgt 420 tettttgtta tttttgtetg tgaaagaaaa ataattaaag aatgttetat gacaaagaat 480 accattgtaa aaataagatt atagaaaagg ttatttaata tactattatc tcacatctcc 540, ttgatactat tttaatgttt actgcaaaaa atcatattcc tattaaatat ggaaattagg 600 tgatacatgt tatacaaatt tatggtttag ttttaggtga tatgagtaac atttatttgt 660 720 categocata atteattige titeattigne attitatigt acaagittaaa tettiggiata tatttttaaa atcagccaat gtaaacaaag ntcaaagtca tgaagagaat cttttgangg 780 CĆ 782

<210> 1401.

<211> 810

<212> DNA

<213> Homo sapiens

## <400> 1401

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ttncaagtca	caaactacat	ttttgcagtt	tgagaagcac	gatcccttta	cacatnaacg	780
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<210> 1402

<211> 842

<212> DNA

<213> Homo sapiens

# <400> 1402

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actgatcttt	gacaaagcaa	acaaaaacat	aaagtgggaa	aaggacaccc	ttctcaacaa	180
atggtgctgg	gataactagc	aagccacatg	tagaagaatg	aaattggatc	cacatcactc	240
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aatattcgca	aactatgcat	ctggcaaagg	actaatatcc	agaatctaca	aggaactcaa	540
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aggtcaggag	agtgagacca	ttctggctaa	cacagtgaaa	ccccgtctct	actaaaaata	780
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<210> 1403

<211> 844

<212> DNA

<213> Homo sapiens

# <400> 1403

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ttaagaatga	gtactatggt	ggtgatgaaa	atgttcctct	cagatgtcca	actgcagggg	240
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ccatgctgcc	aggggcttct	ccaggctggt	gatcaaatgt	agtgaggatc	ctaaggcagg	360
cccattcctg	gaagacatgg	gactctcccg	ataggtgagt	ttggctcaag	gactcctcat	420
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tctccttccc	aagggttaaa	cctacattgc	agtctaatgg	tggctctccc	ggccttctct	540
ggctccctcg	acattttctc	tcacaggcat	ttcctttaat	aaatctctcg	catatctgat	600
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<210> 1404

<211> 740

<212> DNA

<213> Homo sapiens

# <400> 1404

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ctgggcttaa	aatgctatca	agtaaatgtc	tcaaaaataa	tgctttcctc	accctacatt	180
ctcttctcct	tcattcctgt	ttttattaag	tagaggaatg	tttagaatcc	aggactgcat	240
gttaatgagt	tggaggtgag	gtgcttttgg	aattctccag	tgttaacttt	ggaatccagc	300

accettigg atgagagigi ggigggigag cettiatggi tagcageeca geaaccetea. 360 cgaaaaatga aggeeacagg ggeteigeti egatggitae agetageage tgaageaggi 420 cttietggi agigtagigg etetgaagea titiggeegga ggitiggaatg agaittiggi 480 atagagagag geeteaaact titigtaeete tgigettiat eteeactgia attitiatit 540 cttigtaeat titiggiatg accaettgat attgeagega aegetgeaet tgeettetta 600 atetagette gatetittea aagaaatgaa aattitgatg gteatategt gggeataeae 660 ttacagatna gaattaagae gtatgataga eetgagaage tgeattitat ganggiaget 720 ngagaaaata aattitigg

<210> 1405

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1405

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<210> 1406

⟨211⟩ 732

<212> DNA

<213> Homo sapiens

# <400> 1406

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gctatagact	ggagctgttc	ctattcggcc	atcttggctc	caccctcatg	agacttattc	180
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agccaaacca	tatcagctag	gaaatgaccg	tagagatgaa	aagatattga	tgatataaat	. 360
aatttcaata	aatatatagg	gttggtttga	tcagcttgaa	ttttäättgt	tgaagatcac	420
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<210> 1407

**<211> 695** 

<212> DNA

<213≻ Homo sapiens

# <400> 1407

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aggagcagct	gctgtgaata	aacacagaag	tggagctggg	ggactgatta	gaagcctcat	180
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gtggttttgg	caggacaggt	tctggttacc	acccaatgtc	acgtggacag	agctagaaga	360
ccgggatggc	cgtgtctacc	cccaccccca	ggacttgttg	gcagccctgc	ccctggcgct	420

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<210> 1408

<211> 793

<212> DNA

<213> Homo sapiens

### <400> 1408

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<210> 1409

**<211> 859** 

<212> DNA

<213> Homo sapiens

# <400> 1409

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acttgaccca	agtcactgct	caaactctgt	tttcataata	tgatggtttt	ggtgtactct	180
tcagaagaca	aatgtctgac	ttgcgggaaa	aaaacaaacg	tttagccatt	tgcaaacaaa	240
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<210> 1410

<211> 754

<212> DNA

<213> Homo sapiens

# <400> 1410

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ttcattttgg tctcaatctt taatattgga gacattcctc aaatgcatga agatcctcag 240 tggtcattta tatttaaaag atgtgaaaag ctgaccgaaa gctctgggtg tgaagtcaga 300 gctcttgtct attggtaaac tatgctgtag gaaatcttca tatcacaatt tttctttagg 360 ttagttttgt tttctctagt tttgaatcct ttccagagga aatctatagt cttctctgtg 420 480 ggggctgctt atgttttaga gaaatactga agaaagggac tttgggtctc tttagagttg cacataatct totggtttta gtoatatota ottotgtato tattgaagto caaagcatot 540 600 tgagtttagt ttttccagaa attatgcctt ctgatttctg catgattggg aagtcactga gtacaccaac tggagttgga gacctggaat tccagtagtt ccaggaacct cctagtcctg 660 aacttaatgg ggtttcatga gaattgactg gcttctttan gcccttaaat ttaacattcc 720 tcacctctgg ngagggtttt gggttggngg ttgg 754

<210> 1411

<211> 860

<212> DNA

<213> Homo sapiens

### <400> 1411

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tctttatctt ctcttctttg gttcttatat ctggtaagtt actaagtctc agattttctt 780
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<210> 1412

**<211> 729** 

<212> DNA

<213> Homo sapiens

### <400> 1412

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<210> 1413

**<211> 742** 

<212> DNA

<213> Homo sapiens

# <400> 1413

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tgtggtgtca	ctgactacac	agactggtac	ccaatgctgg	gggagaacac	gggtcccgac	660
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<210> 1414

<211> 836

<212> DNA

<213> Homo sapiens

# <400> 1414

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ttggccattc	ttaaaaataa	tgcaaactgc	caatttatat	ccttcacttg	tttttctatt	180
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ctgtcatttg	tactgttgat	attttctcct	agtagacaat	ttgtattttg	agtttgaata	300
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<210> 1415

<211> 844

<212> DNA

<213> Homo sapiens

#### <400> 1415

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<211> 787

<212> DNA

<213> Homo sapiens

# <400> 1416

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<210> 1417

**<211> 802** 

<212> DNA

<213> Homo sapiens

<400>. 1417

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ggaagaaaac aaagatggct gctatcacca ttattattta atgttcttct agaagttttg gacaatgtca tattatatga cttagaaata agaattataa ctatctgaaa ggaagaaatg aaattatcac tattiggaaa igatagaatt atctacctag acaaaaggit taattaaaaa 300 acatttggaa ttaataagaa aatttagcag aagatctagt taaaagataa acatcccaaa 360 420 gccaaaaatt gtgttatata atcatctcca ataagaagct gtgacagaaa aaagatctca 480 ttcaggagag caataaaaaa cagaatatct agaaataacc ttaaaataat ttgacagtaa tttgatggaa agacctactg tgaagtgggt gttctgaatt atgagagtta tatgaatagg 540 aaggaatggc atctaatggt atcacccctt aaatatttct gtcaaatcat aacctagaag 600 ttatetetta etettettte atgntteata tetaateate eetaagttee eegagteece -660ttttcattag catgcaaatt aattcctatc ctaccctatg gttccttcaa ttttagacct 720 ttattatttc taacctagac tttgnaacct ctttactccc agnettttcc aatcatctat 780 cccttcntac cactactggc ca 802

<210> 1418

**<211>** 766

<212> DNA

<213> Homo sapiens

### <400> 1418

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ccaaatgagt gccctcagaa tgactggttt ccttgaaagc agctgtttca taaacatgac 660
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<210> 1419

⟨211⟩ 845

<212> DNA

<213> Homo sapiens

### <400> 1419

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<210> 1420

<211> 851

<212> DNA

## <213> Homo sapiens

### <400> 1420

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<210> 1421

<211> 736

<212> DNA

<213> Homo sapiens

### <400> 1421

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<210> 1422

<211> 700

<212> DNA

<213> Homo sapiens

## **<400> 1422**

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<210> 1423 <211> 695 <212> DNA <213> Homo sapiens

### <400> 1423

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<210> 1424

<211> 811

<212> DNA

<213> Homo sapiens

#### <400> 1424

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<210> 1425

<211> 872

<212> DNA

<213> Homo sapiens

#### <400> 1425

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<210> 1426

(211) 795

<212> DNA

<213> Homo sapiens

## <400> 1426

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<210> 1427

<211> 791

<212> DNA

<213> Homo sapiens

#### <400> 1427

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<210> 1428

**<211> 836** 

<212> DNA

<213> Homo sapiens

#### <400> 1428

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<210> 1429

<211> 811

<212> DNA

<213> Homo sapiens

#### <400> 1429

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<210> 1430

<211> 846

<212> DNA

<213> Homo sapiens

# <400> 1430

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<210> 1431

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1431

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cagaggtaca	agaagagttg	aattaattct	cagtggcctg	agtaaagatc	tagaggcaac	180
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gatgatagaa	gacttactct	ttttaaacaa	attttcaccc	tttctaacag	tttagctgaa	360
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aagtcactta	aaataatgga	ctcaagaaaa	aaaaagaaaa	catgatattc	ctggtgaagc	480
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<210> 1432

<211> 834

<212> DNA

<213≻ Homo sapiens

# <400> 1432

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,	ccttgggcct	tctcatcatg	tgcccctctc	tcgatgtgca	ctttccagtg	tggatatata	360
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⟨210⟩ 1433

<211> 860

<212> DNA

<213> Homo sapiens

## <400> 1433

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<212> DNA

<213≻ Homo sapiens

# <400> 1434

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<210> 1435

⟨211⟩ 630

<212> DNA

<213≻ Homo sapiens

<400> 1435

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<210> 1436

<211> 745

<212> DNA

<213> Homo sapiens

#### <400> 1436

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gctgcgtaga	agaagcttgg	aacctgtctg	ctttgaaagg	actgatgaca	tcgganggct	720
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<210> 1437

<211> 764

<212> DNA

<213≻ Homo sapiens

# <400> 1437

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<210> 1438

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1438

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⟨210⟩ 1439

<211> 859

<212> DNA

<213> Homo sapiens

## <400> 1439

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tatactggga tatgtgggca ccagagctta tgctaaagct gnctgatcag tgggacaggt 840
aactgggtaa ntggcaccc 859

<210> 1440

<211> 751

<212> DNA

<213> Homo sapiens

#### <400> 1440

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**<210> 1441** 

<211> 807

# <212> DNA

# <213> Homo sapiens

# <400> 1441

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gagaatcact	tgaatcctga	aggcagagat	tgcagtgagc	cgagatgaca	ccactgcatg	480
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cttgggcccg	ggcncaatgg	ctcacgcttg	gaatcccaac	acttttggga	ngcccaagcc	780
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<210> 1442

<211> 756

<212> DNA

<213> Homo sapiens

# <400> 1442

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<210> 1443

**<211>** 755

<212> DNA

<213> Homo sapiens

#### <400> 1443

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<211> 740

<212> DNA

<213> Homo sapiens

# <400> 1444

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<210> 1445

<211> 857

<212> DNA

<213> Homo sapiens

# <400> 1445

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<210> 1446

<211> 843

<212> DNA

<213> Homo sapiens

#### <400> 1446

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gacttgactt atgcaatgat gccaggagtc ctgagcagca cagcccaact tcaatcacac 600 acagatggac agagctgtat tagcaaagcc tgagctactg agcgatgana gttcagccag 660 gctttcagac atctggtcat tcaaganaga tatgcgctaa ccaaggacct aaagatgtgt 720 taatatgggt gctatatcat aaggaccttg aaataaatgt tcttagcctt tggccaaaag 780 gtccatgtnt aggaatctat ttttccatng aaattaattc aaatttggga aaaatgncca 840 tgc

<210> 1447

<211> 809

<212> DNA

<213> Homo sapiens

#### <400> 1447

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<210> 1448

<211> 698

<212> DNA

<213≻ Homo sapiens

# <400> 1448

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ggcgttccgg	gagccggtcg	ggggctcctg	actcgcattg	ggcagcatga	cggtgcgccg	600
gctgtcactg	ctgtgccggg	acctctgggc	gctgtggctt	gctgctgaan	gccggcgcaa	660
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<210> 1449

<211> 901

<212> DNA

<213> Homo sapiens ⋅

# <400> 1449

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accaagcaat	atcatctata	atctaaaagt	aaaatgtgag	gtatgttttt	aattccaaga	180
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gccacagtac tgattctagt gggcaggctg cctccctct gatactgtgt aaggcattac 360 taatgctggc aacagtttgc atatagccaa ttgccaaaag cagcctgcac atccctcctg 420 aggetggtee egtaaattet tetettteet gtegtaaage atteeteate accaecteee 480 ttttcacact ttatgcaagg ccgtgcactg ggacagcaaa tggctgcaac tttcactgct 540 tgcttttccc aagtcgaaga aaagttccaa cgctggcaaa gcaaggacat tgctattttc 600 tgacgatcga atgtcttcga ggaactagct tcagtgctga tagggtctgt gttcctctag 660 taagaatagc actgtttcca ttagagggga ccaggatggg tagacaggct tagacgtctg 720 attactettt getetggnat ttgnatgaca getegggtgt etgettacet tnetgaggat 780 gagagecata cattatecat ttaatacage cacagtgaca gtgettgata atggetacat 840. ttacctacac tgggtgccct anaacattaa tagttcactc tatgaactcg ttggngggcc 900 901

<210> 1450

⟨211⟩ 736

<212> DNA

<213> Homo sapiens

#### <400> 1450

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aacattttgt	gagaaaggat	cagtttctat	ctagtcaatg	ncttaaacat	tcataggntg	720
gtcatggtgg	gaactg					736
			3 .			. •
<210> 1451						•
<211> 697		1				•
<212> DNA			•			
<213> Homo	sapiens				•	; ,
Z400> 14E1			•			S. J
<400> 1451		****	·			CA
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		cggactgtct	* · · · · · · · ·			180
		aaaggctgct		-	•	240
	* .	ctccgtgtca			•	300
		tttagttccc			•	360
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<210> 1452			•			
<211> 779						
<212> DNA						
<213> Homo	sapiens	•			•	•

60

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<400> 1452

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<210> 1453

<211> 751

<212> DNA

<213≯ Homo sapiens

## **<400> 1453**

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ccgctcctct	cggtgatcac	ccggcagccc	actgtcatct	nccacctggc	cctgccaccc	660
cgggaatcgc	ccaggcactg	tcctgccacc	aggtcaccga	ngcggctctg	ctgaagcccc	720
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<210> 1454

**<211> 741** 

<212> DNA

<213≻ Homo sapiens

# <400> 1454

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(	cgtcaggctt	ttgagttgcc	caggaactgt	ggccaaagac	cttaggagag	acgagcagcc	180
	ttcagggagc	gtggagacag	gctttgaaga	caagattccc	aaaaggagat	tctctgagat	240
1	gcaaaatgaa	agacgagaac	aggcacagcg	gactgtttta	atacattgcc	cagagaaaat	300
•	cagtgaaaac	aagtttctta	aatatttatc	ccaatttgga	cctattaata	atcatttctt	360
•	ctatgaaagc	tttggtctct	atgctgtcgt	agaattttgc	caaaaggaaa	gcataggttc	420
	actgcagaat	gggactcata	ctccaagcac	ggccatggag	actgcaattc	cattcagatc	480
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,	taatcagttg	ccacgttcaa	acaagcagct	ttttgaatta	ctttgttatg	cagaaagtat.	600
:	agacgatcag	ctgaacactc	tcttgaagga	gttccagcta	acagaggaga	acactaagct	660
•	ccgatatcta	cctgttctct	tattgaaaac	atggccgccg	ngtattttcc	agactgnata	720
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<210> 1455

<211> 809

<212> DNA

<213> Homo sapiens

#### <400> 1455

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<210> 1456

<211> 700

<212> DNA

<213> Homo sapiens

#### <400> 1456 ⋅

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<210> 1457

**<211> 890** 

<212> DNA

<213> Homo sapiens

#### <400> 1457

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<210> 1458

<211> 907

<212> DNA

<213≻ Homo sapiens

# <400> 1458

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atcatatctc	attgatcatc	agaggactca	cacaggagag	aaaccctttg	tttgcaatga	180
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<210> 1459

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1459

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gcatgaacta ctggacactt ttacaagctt actttcacag gagtctggta agatacgtgc 120 tatteteata tittieteae tagagggaaa acataaggea tagagagaga ggetigeiga 180 gtctggccca gatcaggcgc gttcattcgg ccgacccttg tgctggctgt accctgcact 240 gtgatgctct ctctgcctcc cacatggctg ccagagtcgc ctttctgaga tacagatact 300 gtcatatttc aacttaaaac catcactgtc tccaccatgg aataaaggcc gctgtctgga 360 gcatgcattc tcggccttgg gcagggcccc agcgtcctcc tccggagttg ggagctgctg 420 gccctgcacc gtgccggccc tgggctgccc ctgctgcttg cccttggagt cctgcctgc 480 traggetrag cartragets cetetscaga tscretere aggsgereta etetertse 540 cactteactg aagaattggc catttecege ettgtetgea atgetttatt etcagecetg 600 tgagcetctg ccagggcctg gctgacaatg cttgcatctg gcccctagca tctctcacag 660 720 cgtcttgaac cccggtgctc aactgcctga gattgaactt aagtcaaacc cacttaancc 736 ttaaaatncc aantgg

<210> 1460

<211> 695

<212> DNA

<213> Homo sapiens

### **<400> 1460**

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gagactccat	gtcaaaaaaa	aaaananaaa	gaaacaagaa	aatgtgtgaa	gggaaaggcc	-660
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<210> 1461

<211> 826

<212> DNA

<213> Homo sapiens

# <400> 1461

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aanggcttgg	accttttgac	cccttaatcn	ntgatgaaag	gccctg		826
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<210> 1462

<211> 846

<212> DNA

<213> Homo sapiens

#### <400> 1462

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<210> 1463

<211> 748

<212> DNA

<213> Homo sapiens

#### <400> 1463

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<210> 1464

<211> 798

<212> DNA

<213> Homo sapiens

#### <400> 1464

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<210> 1465 <211> 850 <21'2> DNA

<213> Homo sapiens

<400> 1465

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<210> 1466

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1466

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tgatcatttg gttaagatac tctctgctgg gttttttcac tgtaaaatta ccgtttttcc cttggtgctt aataaagatt ttagaagaga tatactctga aactgtgcaa ataccctgtt tttcttcaaa ctttcaccca ctgattttag catccattgg tgggtcttgc tggcatcagt 240 tactgcttaa tgtttgtcta atgttgattt tctgttttct tcatttcttt tacatttatt 300 gattggaaat cgtctgtagg gaagatctgt accttcctga tatatttatt gatgattatt 360 aattatttat agctgtggac tcattattaa taaatgaggg ttttatgagt aatacttgta 420 480 aaccttagga gaggaatgtt gatgtattta acttgtaaac tttgttttca gcttcttttg 540 tgttaggtag gtacatgtat gcttgggtgt aggataaata gcaatgctat aataatactg tatatatigi tatatgaaga tigcattita titcaagatt teetiiggag ataactitta 600 aaacattgag atttcaaacc acaagatcac taattacttg cataacactt agcataattt 660 720 tetectaaac gatateatgg tetttetata gttaacacte aaggtgattt tetttattgg 780 tetetttgee ttetttattt ggaatttgag geaettagta tatttttta taagttatag ccacacatca gtacttacca gcatgataag cagttcttta ctataaaatt aaagttggna 840 accattaagt gtaa 854

<210> 1467

<211> 806

'<212> DNA

<213> Homo sapiens

#### <400> 1467

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aagcatncca gaccccattc tgangtatca gaaatattga ggaggatact ggcttnctaa 780
gattatgtgg aatgggggcc tacaac 806

<210> 1468

⟨211⟩ 788

<212> DNA

<213> Homo sapiens

#### <400> 1468

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<210> 1469

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1469

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tcgtgggact	gcgtgctgca	gggcgcgctg	tccaccttcg	ccaacaccag	ctccttcttc	360
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gancccgggc	cctggtttcc	tttgggacgg	ggcttgggga	aggacacttn	tgagccccct	780
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<210> 1470

<211> 850

<212> DNA ·

<213> Homo sapiens

<400> 1470

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<210> 1471

<211> 520

<212> DNA

<213> Homo sapiens

#### <400> 1471

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<210> 1472

<211> 860

<212> DNA

<213> Homo sapiens

# <400> 1472

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ccagtccatg	ggttcttatg	gacctttcgg	caggatgccc	acatacagtc	agttcagtcc	180
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ctttacacag	gatacaagat	ctctaaaaac	acagttatct	caaggtcgct	caagccctca	360
gttagaccct	ttgagaaaaa	gcccaaccat	ggaacaagca	gtgcagaccg	cctcagccca	420
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<210> 1473

⟨211⟩ 828

<212> DNA

<213> Homo sapiens

<400>.1473

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agaaatggtg gctcagaggc tgggtgcggt ggctcaagcc tgtaatccca gcactttggg 120 aggctgaggc gggcggatca cgaggtcagg agatcgagac cacggtgaaa ccccgtctct 180 actaaaaata caaaatatca gccgggcgcg gtggtgggtg cctgtagtcc catctactcg 240 ggaggctgag gcatgagaat ggcgtgaacc cgggaggcgg agcttgcagt gagttgcgat 300 cacticactg cacticaged tgggcgagag ageaagacte cateteaaaa aaaaaaaaaa 360 420 aaaaaaaaaa aagaaatggt gtctcagaaa atgtacagca aactgcttct cacttcattt ttttagcaaa ggtcagattt tctggatcat aaacctggga cttggttctt ttttgggggg 480 tttcttgttt taaatttctg ccagatcage tgcctccttt acttcccttc aaacaacaat 540 600 gtgctgctta ttacataagc tagcagggtg tcaggaaatt ccactgatgt gttttctccc accettatat tagtaatttt tatacaacat ggagacattg aaatatttte atcanatggg 660 720 gtagettttg atceaaatat atteaaagae attategetg aaatgeeage tteataeaaa tcatctttcc angtgtcact acactgcatt tctatggacc gtgagaacta atttgacaaa -7.80 atagangntt ttgagggaaa aaccagtatt tatttttaa tctcctaa 828

<210> 1474

<211> 734

<212> DNA

<213> Homo sapiens

#### <400> 1474

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<210> 1475

<211> 802

<212> DNA

<213> Homo sapiens

#### <400> 1475

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<210> 1476

**<211> 728**.

<212> DNA

# <213> Homo sapiens

# <400> 1476

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ctgccccctg	ccgtgcccga	cgagctgctc	actctctact	ttgaaaaccg	ccgacgctct	180
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cctggcacca	cgccccagcg	cttggagcag	catgtccagg	ccttgctgcg	ggcctcgggg	420
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<210> 1477

<211> 853

<212> DNA

<213> Homo sapiens

# <400> 1477

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ccttagaaat	caggatagcc	tttgcattca	ttttggtaag	aaaactgatg	ctgagaggat	360

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<210> 1478

⟨211⟩ 831

<212> DNA

<213> Homo sapiens

### <400> 1478

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<400> 1480

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<210> 1481

<211> 832

<212> DNA

<213> Homo sapiens

# <400> 1481

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<210> 1482

<211> 783

<212> DNA

<213> Homo sapiens

### <400> 1482

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<210> 1483

<211> 795

<212> DNA

<213> Homo sapiens

## <400> 1483

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<210> 1484

**<211>** 722

<212> DNA

<213> Homo sapiens

### <400> 1484

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<210> 1485

<211> 703

<212> DNA

<213> Homo sapiens

## <400> 1485

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<210> 1486

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1486

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<210> 1487

⟨211⟩ 812

<212> DNA

<213> Homo sapiens

<400> 1487

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<210> 1488

<211> 710

<212> DNA

<213> Homo sapiens

### <400> 1488

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<210> 1489

<211> 752

<212> DNA

<213≻ Homo sapiens

# <400> 1489

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<210> 1490

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1490-

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<210> 1491

<211> 829

<212> DNA

<213> Homo sapiens

## <400> 1491

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<210> 1492

<211>..843

<212> DNA

<213> Homo sapiens

#### <400> 1492

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<210> 1493

<211> 848

<212> DNA

<213≯ Homo sapiens

# <400> 1493

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<210> 1494

⟨211⟩ 695

<212> DNA

<213> Homo sapiens

<400> 1494

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<210> 1495

<211> 696

<212> DNA

<213> Homo sapiens

### <400> 1495

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ZO1 AN: 1 400						

<210> 1496

<211> 670

<212> DNA

<213> Homo sapiens €

# <400> 1496

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gcaggcgggg	ccgcggtgtc	tgacagctcc	agcacctcaa	tgaatgtgta	ctcgctgagt	480
gtggacccta	acacctggca	gactctgctc	catgagaggc	acctgcggca	gccagaacac	540
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<210> 1497

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1497

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<210> 1498

<211> 629

<212> DNA

<213> Homo sapiens

### <400> 1498

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						· .
<210> 1499						
<211> 622	•,					
<212> DNA	•					÷
<213> Homo	sapiens					
					•	
<400> 1499						-
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<b>&lt;400&gt;</b> 1500	· .		<b>V</b>		•	
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ttgcccaggc catgcccacc gggccacaat cggcctcatt tggcatcact ggggatgatg 240 ggtccccagt gatggcaaag cccccaagta tccctcttt tctcatcacc catctgttgt 300 ggaagatetg teacetgggg tteaactgga teaggaggga aacagtgggg acceaagaac 360 agaatggggc tcgtagatat gttctgttgc ccatgcagca cgttaaaaaa tgtccaactt 420 gcccacacct gaaaatcagg cctctgactt cacagaaaat caggtacagt gggccaggcg 480 cggtggctca cgcctgtaat cgcaacactt cgggaggccg aggcgggcgg atcataaggt 540 cacgagttcg agaccagcct ggcaaatagg taaaaccctg tctctattaa agatacaaaa 600 attagccagg tgtggtagga gcctgtagtc ccagctactc gggaggctga ngcaggagaa 660 tegettgaac etgggangtg gaaggttgea atgageeeag aatgggetae tgnactteag 720 ccttgggcga cacaagca 738.

<210> 1501

⟨211⟩ 713

<212> DNA

<213> Homo sapiens

### <400> 1501

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<210> 1502

⟨211⟩ 756

<212> DNA

<213> Homo sapiens

## <400> 1502

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<210> 1503

**<211> 846** ·

<212> DNA

<213> Homo sapiens

## **<400> 1503**

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<210> 1504

<211> 723

<212> DNA

<213≻ Homo sapiens

# <400> 1504

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<210> 1505

⟨211⟩ 773

<212> DNA

<213> Homo sapiens

### **<400> 1505**

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**<210> 1506** 

<211> 844

<212> DNA

<213> Homo sapiens

### <400> 1506

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<210> 1507

<211> 708

<212> DNA

<213> Homo sapiens

#### <400> 1507

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<210> 1508

<211> 809

<212> DNA

<213> Homo sapiens

### <400> 1508

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<210> 1509 <211> 744

<212> DNA

<213> Homo sapiens

## <400> 1509

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<210> 1510

<211> 799

<212> DNA

<213≻ Homo sapiens

### **<400>** 1510.

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<210> 1511

⟨211⟩ 853

<212> DNA

<213> Homo sapiens

### <400> 1511

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tgaaatttet ataagaagea aaactatagg ggeagaagae aaatattggt tgeetgagge 720
tggagatgaa geagggattg etgeaaatgg geataagggg aettettggg gtaatggaag 780
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<210> 1512

⟨211⟩ 827

<212> DNA

<213> Homo sapiens

#### <400> 1512

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<210> 1513

<211> 642

<212> DNA

# <213≻ Homo sapiens

# <400> 1513

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gccagtcaca	gaaagccatg	cagttcctgt	cttgttggaa	ggaacactgc	180
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caaaccaagc	ctctagacca	gcccgtccac	cggccgaatg	ctgcctgtga	360
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aaaatgtgag	acaccattaa	aacttgtttc	agatgacccc	taaaaaataa	480
ttcatctggt	gctcttataa	aaacttacta	cggaagcttc	ttgagagaca	540
cttcctgaat	aattttttt	tttctttttt	gagacaatgt	cttgctctga	600
tggaatgcan	ngggngcgat	cttggctcac	tg		642
	ttgtcaatgc gccagtcaca ctgagctccg tgggcgcttc caaaccaagc ccattgccac aaaatgtgag ttcatctggt cttcctgaat	ttgtcaatgc cctgaccaat gccagtcaca gaaagccatg ctgagctccg cttcgtaagt tgggcgcttc agtggatgtt caaaccaagc ctctagacca ccattgccac atggaacaga aaaatgtgag acaccattaa ttcatctggt gctcttataa cttcctgaat aattttttt	ttgtcaatgc cctgaccaat agagatgacg gccagtcaca gaaagccatg cagttcctgt ctgagctccg cttcgtaagt ccaactcccc tgggcgcttc agtggatgtt cttatctgga caaaccaagc ctctagacca gcccgtccac ccattgccac atggaacaga agcacctccc aaaatgtgag acaccattaa aacttgttc ttcatctggt gctcttataa aaacttacta cttcctgaat aattttttt tttcttttt	ttgtcaatgc cctgaccaat agagatgacg aaagtacgtg gccagtcaca gaaagccatg cagttcctgt cttgttggaa ctgagctccg cttcgtaagt ccaactcccc taaggccatc tgggcgcttc agtggatgtt cttatctgga cccagccttc caaaccaagc ctctagacca gcccgtccac cggccgaatg ccattgccac atggaacaga agcacctccc agctgctcct aaaatgtgag acaccattaa aacttgtttc agatgacccc ttcatctggt gctcttataa aaacttacta cggaagcttc	ttgtcaatgc cctgaccaat agagatgacg aaagtacgtg tcaccggact gccagtcaca gaaagccatg cagttcctgt cttgttggaa ggaacactgc ctgagctccg cttcgtaagt ccaactcccc taaggccatc atggcaggag tgggcgcttc agtggatgtt cttatctgga cccagccttc cagctatccc caaaccaagc ctctagacca gcccgtccac cggccgaatg ctgcctgtga ccattgccac atggaacaga agcacctccc agctgctcct tgcccaaatt aaaatgtgag acaccattaa aacttgttc agatgacccc taaaaaaataa ttcatctggt gctcttataa aaacttacta cggaagcttc ttgagagaca cttcctgaat aattttttt tttcttttt gagacaatgt cttgctctga tggaatgcan ngggngcgat cttggctcac tg

<210> 1514

<211> 788

<212> DNA

<213> Homo sapiens

# <400> 1514

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ttgctgtgcg	gcctggttcc	tagcaggcca	tgggccagta	ccagtctgca	gcctggggtt	180
aaagggccaa'	aggtgtctgc	ctctctgctg	gcctaacagc	acaggaaagg	gagacagcac	240
tgtcttacca	ttccctaacc	tctgcccaac	aatatactag	agagaaatac	atcaaattgc	300
cgttctatgt	tggtatcaga	gagttaaatc	agaactgtac	tgtcctggtt	ctgtcactag	360
ccctgagacc	ttacctctgg	gttccatgag	tgggacagaa	ggagagagga	tgctagcagt	420
gctggctaca	gtttgctttc	ttgctcacct	ggtagaaccg	aggtagggcc	agaatacagt	480

ccatcagctt gtggcgccc aagttgatga gcattgtgtt ctggccagtg ttcagaaagt 540 gaatctgcag agttatcaac ttggtgagcc gctgacagtg ctgggcctgt cgcacacagg 600 agtcctgagg aacaagggtg gagaggcaca gtagagaaag acctagttgt cacctnctgt 660 gtgaaccctt acaacggtat tcaccccttc tggtcctggg ttggcctatg atgcccttcc 720 gctttacctg gaaagagccc aaggaccaaa gaaaataatt ttactgnana cagcaagtcc 780 caaggnca

<210> 1515

<211> 809

<212> DNA

<213> Homo sapiens

### **<400>** 1515

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<210> 1516

<211> 845

<212> DNA

<213> Homo sapiens

## <400> 1516

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	ggagtctcac	tctgtcactc	aggttggagt	gcagtggcgc	catctcagct	cactgcaacc	180
	tccgcctcct	gggttcaagc	aattctcctg	ccgcagcctc	ccaagtagct	gggactacag	240
	gcacctgcca	ccaagcccgg	gtaatttttg	tatttttagt	agagacgggg	tttcaccatg	300
	ttggccaggc	tggtctcaaa	ctcctgacct	tgatccacct	gcctcagcct	ccccgagtgc	360
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*	agtatttaag	caagaaaaca	accaaaatgt	tctagctaaa	gtggagacca	cttaacctaa	480
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	ggtgagttgt	ctaaatgctc	tgtgctttgg	tgtccttgtc	tgcgtgtgac	atgaagccgc	600
	agateteaaa	gatctctttc	attccgtgaa	agcgctctca	atgtgtgaag	ttgactgctt	660
	ctcctgctgt	ttaccaagag	aataatctta	accctacatt	gnggagatcg	gatttggtct	720
	cacttgacag	aaagccagtc	ccacgagcag	cttggtaccc	aaataccagt	ctgtttagtg	780
	ctcattagag	atgaagaacc	atattcataa	gtcaagctga	nacggatgca	tcttcanaca	840
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<210> 1517

<211> 749

<212> DNA

<213≻ Homo sapiens

<400> 1517

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gtaaaaatcc tattaca	aca aattgtacca	agtcttagac	taactagaat	aggaccattt	180
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aaatctatag ctcgtat	aat tcattttcat	ggcaagtggc	tgcatttgtt	tttggcctca	480
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ttaaaaataa aaaagcc	agg cgcggtggct	cacacctgta	atccagcact	ttgggaagcc	660
gangcaggca gatcaca	agg gcaggagato	gagaccatnc	tggctaacat	ggggnaaccc	720
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<210> 1518

**<211> 825** 

<212> DNA

<213> Homo sapiens

### **<400>** 1518

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gtggatggaa tteteeceat tgacaattga caggtggeaa ttaattggte atgeeteant 720 gggatgaate cattacatet etttnetgge taatattttt atetacette egaetttttt 780 gtagggaett tggtggatat eeteatgaaa ggneeatetn tteet 825

⟨210⟩ 1519

<211> 788

<212> DNA

<213> Homo sapiens

#### <400> 1519

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<212> DNA

<213> Homo sapiens

# <400> 1520

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<210> 1521

<211> 692

<212> DNA

<213≻ Homo sapiens

# <400> 1521

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<210> 1522

⟨211⟩ 836

<212> DNA

<213> Homo sapiens

## <400> 1522

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	gccctcccta	aattttctaa	cagcaacctt	atctttaaag	aaattgtccg	tgtgtgctct	180
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•	gctttttaaa	actggttact	gggagaaaat	tgaaatcaga	ccagggtttt	taatccaatc	780
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⟨210⟩ 1523

<211> 724

<212> DNA.

<213> Homo sapiens

### **<400> 1523**

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<210> 1524

<211> 710-

<212> DNA

<213> Homo sapiens

### <400> 1524

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⟨210⟩ 1525

<211> 813

<212> DNA

<213> Homo sapiens

## **<400>** 1525

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<210> 1526

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1526

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<210> 1527

<211> 605

<212> DNA

<213> Homo sapiens

## <400> 1527

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<400> 1529

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**<210> 1530** 

**<211> 862** 

<212> DNA

<213> Homo sapiens

<400> 1530

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₹210> 1531

⟨211⟩ 691

<212> DNA

<213> Homo sapiens

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<210> 1532

**<211> 728** 

# <212> DNA

# <213> Homo sapiens

## <400> 1532

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<211> 644

<212> DNA

<213> Homo sapiens

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<210> 1534

<211> 830

<212> DNA

<213> Homo sapiens

#### **<400> 1534**

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<210> 1535

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1535

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<211> 795

<212> DNA

<213> Homo sapiens

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<210> 1537

<211> 718 ⋅

<212> DNA

<213> Homo sapiens

## <400> 1537

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<210> 1538

<211> 831

<212> DNA

<213> Homo sapiens

#### <400> 1538

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<210> 1539

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<213> Homo sapiens

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<211> 851

<212> DNA

<213≻ Homo sapiens

# <400> 1540

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**<210> 1541** 

<211> 838

<212> DNA

<213> Homo sapiens

#### <400> 1541

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<210> 1542

<211> 806

<212> DNA

<213> Homo sapiens

## **<400> 1542**

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<210> 1543

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1543

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<210> 1544

<211> 831

<212> DNA

<213> Homo sapiens

## <400> 1544

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attggcagca ttaatttaaa gaagaatgag cctccactta cctgcccata tagcctgaag 540 gccagagttc ttttactgtc tcatcttgct agaatgaaaa ttcctgagac ccttgaagaa 600 gatcagcaat tcatgctaaa aaagtgtcct gccctacttc aagaaatggt taatgtaatc 660 tgccaactaa tagtaatggc ccggaacccg tgaagaaagg gagtttcgtg ctccaacttt 720 ggcatcccta gaaaactgca tgaactttct nnatggccgt cagggcttaa caattaagct 780 ccttctgcag ctcctctatg aaaggncatc taaacggttc taacatagaa g

<210> 1545

<211> 850

<212> DNA

<213> Homo sapiens

#### <400> 1545

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<210> 1546

<211> 846

<212> DNA

<213> Homo sapiens

## <400> 1546

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cagaataata	ccatacattc	cagaaaatgt	tgtcatcttc	agcttaatac	taaaaccctg	120
aacaaaaaaa	gttttggcca	ggcacggtag	ctcacgcctg	taatcccagc	actttgggag	180
gccgaggcag	gtgaatcacg	aggtcaggag	atcgagatca	tcctggctac	agtgaaaccc	240
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gctacctggg	aggctgaggc	aggagaatgg	cgtgaacccg	ggaggcggag	cttgcagtga	360
gctgagatcg	cgccactgca	ctccaacctg	ggcaacagag	cgagactcca	tctcaaaaaa	420
acaaaaataa	aaaaaataaa	gtttttgctt	cagaacacct	tgtggagctc	ttgaaacttc	480
tggcgagggc	gtcacctgtg	tgatgtgggg	taagaagtct	tcttcgttct	atccgcagaa	540
accatagaat	gtggctttca	tcagttggtt	gaccaggttg	gcttangtgt	tacagtgcca	600
gcaacatttc	catgagette	ttgctcagtg	cctctctctg	ccgnctgcac	tttctgcatt	660
tctangctcc	catcgttgca	gacagatgga	atcgcgggca	cttctgtcca	actcaccttc	720
cccaaaagcc	aagccctatg	aaggcagcca	gaggaacttc	actgacttgg	ttccccactg	780
gcttgtccca	aaagaagccc	aaaggaccca	cccttcaac	ttccaaagnt	tcggaaatct	840
ggnant				· · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·	846

<210> 1547

<211> 820

<212> DNA

<213> Homo sapiens €

<400> 1547

tgtgatacag cacataaaca gaattaaaaa caaaagtcac atgattggag tgttggcaag 60

atggctgaat aggaacggct ctggtctgca gctcccagca agaccaatgc agaaggtgga tgatttctgc atttccagct gaggtacctg gctcatcaca ctgagactgg ttagacagtg 180 ggtgcagcct atggagagca agtagaagca gggtagggcg ttgcctcacc caggaagtac 240 aagggggtgg ggaactccct cccctagtca agggaagcca tgagggactg tgctgtgagg 300 360 gactgtgtta tctggcccag atactatgct tttcctacag ttttcacaac ccacagacca gaagattccc ttgggtgcct acaccatgag ggccctgggt ttcaagcaca aaactgggcg 420 gccatttggg cagacaccga ggtagctgca ggagttattt ttcttacctc agtggcgcct 480 ggaaccacag caagacaaaa ccgctcactt ccctggaaag ggggctgaag ccagggatct 540 aagtggtcta actcagtgga tcctacttcc atggagccca gcaagctaag atccactggg 600 ttgaaattet tgetgeeage acageagtet gaagteaace tgggatgetn cagettggtg 660 gggggaaggg catttgccat tctgagcttg agtaggcgtt ttcccttaca atgtaaagaa 720 agccatgtgg gaagtcgact ggcanaccca ctgggtgcgg aaaacccttg tnccagctgc 780 ctttctagat cgccttttgg cagcatataa ggtcntaatc 820

<210> 1548

₹211> 855

<212> DNA:

<213> Homo sapiens

## <400> 1548

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cattcacata tatactgtca attgattttt gacaaaagca ccaatgcaat tcaatggga 600
aatggaactt caacaaatgg tactagaaca tctggatatc taaatgtggt gggagggaat 660
catgaatttt tttcacatag catacacaaa aattaatttg aaatgngtca ttgatctaaa 720
tttaaaaacc aaaactatcc acatttagac caaaacatct aagactatct ttgaaagctg 780
ggggtaaaga aagatttcta ggacatagaa ggcattntta gagaagacat tcccaatgga 840
cttntcaaaa tttaa 855

<210> 1549

<211> 772

<212> DNA

<213> Homo sapiens

## <400> 1549

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<210> 1550

<211> 818

## <212> DNA

## <213> Homo sapiens

## <400> 1550

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aatcacttga	acccgggagg	tggaggttac	agtgaaccga	gatcgtgcca	ctgcactcca	180
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ctaagagaaa	actgagacga	acacatgtgt	.ttaggcctgc	catgtggaaa	tggcggtctc	360
tattcattct	atttacacgg	aaacatttaa	caagcagctc	ttgaggaggc	cagagaggtg	420
caggcctagc	cctgtcagca	ccaccctcca	cagatgccca	aacagcccca	gcgcatttct	480
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agcctggatc	agtaggacac	tgccttggcg	ttgctggtgc	cccaccccaa	cttanccang	780
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<210> 1551

<211>. 851

<212> DNA

<213> Homo sapiens

## <400> 1551

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ccttgctaaa ttggaaaata attttcaaat actgaaagaa tatctcttca gttttgtatg 300 ctgttcacag tgtaatacct acagacacga aacactttta agttatacct gcagtattaa 360 tgctttctcc atcactttct taagcccaga aaatcaacag taaacccagc ccttgtttgt 420 agcatttgtc gatttccata tgggaatatc ccgccatggc caatttcaag ctgctcacgt 480 gacgtcactg aagacgggtt ggtaaaagag gggtccagta gccaccatga gatagtgctt 540 cccctgtgta gatagaacag atgtgagtaa ccctgaagca cagataatga caaaatatag 600 tgagatcatg aggaagggc aatttgtgaa tattcattac ctttgntttt agtataattt 660 720 attcaattgt aagcttctat aatttaatgt ttaataaaga ctgtgtttaa caaccagctc 780 acaaaggttc tgaaaatgtt cacaatcagt tccgttaagc cagtgctggt cggctgcagc gcaccactgn atattgggaa ttgnacgggt agaaggttgg ctttctcttg ggacaagcnc 840 851 ctttaagggg a

<210> 1552

**<211> 414** 

<212> DNA

<213> Homo sapiens

#### <400> 1552

<210> 1553

**<211> 243** 

<212> DNA

# <213> Homo sapiens

# <400> 1553

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ccttctggtt	tcgggcgact	cttctgcctc	ggcatcccga	gtagctggga	tgacaggtgc	180
cagccaccat	gcccagctaa	tttgagnatt	tctagcggag	atggggtntc	accatgttgg	240
nca						243

<210> 1554

<211> 866

<212> DNA

<213> Homo sapiens

# <400> 1554

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	aatggaaaag	atgcctgtag	tgtttaatgt	tatgcctcaa	accttacttt	tccccagtt	120
	ttcttttaca	tcagtgcaaa	gcactcttta	tgagcactaa	atgtgggtaa	aggtacaagt	180
	cagagagcac	ctgtttagta	tatgtggcat	tttaaattga	gtccttttgg	ggtactagtc	240
	tatcaagaga	gacacatttt	cttatccatg	tcaattttgc	ttcctatttt	cttatccatg	300
	cctttcactt	ggaatgacaa	cagttgacat	taaaaagctg	ttggcaggta	tggaataacc	360
	ttattctgtt	accaaatagc	aaagaccaaa	gtgcatgtga	ggtgtctcac	aggtttaata	420
-	aatcagcaat	tacatctctc	gagtgtgata	tttataggtg	gcatttagaa	cttggggcgt	480
	aacaatgcgt	acaaagacat	cattctatct	gcacctaatg	tccgaaattc	ctactgctcc	540
	agcaaaattt	ctgacgtgtt	agtttcagga	gtagcacgca	aactgtgttt	tttaagttat	600
	gcagacagca	acctgtccta	catgcaagtc	acaatcactc	atgaaaatta	gtttatgttg	660
	cttatagctt	cgcagcttgt	gagctttcac	tagagccgag	gaagacttca	aagcgactag	720
	atgttagcac	ttctgccgaa	nggatatttc	ctggatttca	ctccatgtgn	tttatccctt	780
	cttccatcta	aggactctag	ctnctaacct	tcccggcctt	aaggggttac	cacaggcatt	840

## tttaaccgca ttcccttttt ccnttt

866

. <210> 1555

<211> 859

<212> DNA

<213> Homo sapiens

#### <400> 1555

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<210> 1556

<211> 714

<212> DNA

<213> Homo sapiens

## <400> 1556

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tgctggacga	gggcagcctc	tgaaccccgg	cgccgcccaa	ccgcgcccct	cgcgcctttt	: 300
ggggctctcc	tgctgggcgc	gggtggggtt	tgtgggtttt	tttccacctc	ttttctccca	360
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tgggccacgc	cgacccctgg	gtcgcttgat	gtaaaagcca	aaagctgctg	cctnccactt	600
ggatcatgtc	gcctgggatt	ttcatccctc	gacaaggact	aggggttcac	acggtgaact	660
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<210> 1557

<211> 803

<212> DNA

<213> Homo sapiens

## **<400> 1557**

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gaattcatcc acatactata tttcaggcat ctattggtga atcccagaga ccgccgagtt 600 gtgattatcg aatcggtatt atgtccttct cacttcagag agacactcac tcgtgttctt 660 ttcaaatatt ttgaggntcc atctgtcttg cttgcttcaa gtcatctaat ggctcttctg 720 acgcttggaa ttaattcttg ncatgggcct anattgggga tatagggaaa gcctggtgtt 780 acccatatnt gaaggaatcc caa 803

<210> 1558

<211> 698 -

<212> DNA

<213> Homo sapiens

<400> 1558

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<210> 1559

<211> 694

<212> DNA

<213> Homo sapiens

#### <400> 1559

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ccaccgtgcc	tggtcctatt	tttaattttt	tgaggaaact	ccatactgtt	tttccataat	180
ggttgtacta	atttgtattc	ccaccagcag	tgtgcgaggg	tttcctttcc	tttacatcat	240
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<210> 1560

<211>.770

<212> DNA

<213> Homo sapiens

# <400> 1560

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<210> 1561

<211> 693

<212> DNA

<213> Homo sapiens

**<400>** 1561

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<210> 1562

<211> 689

<212> DNA

<213> Homo sapiens

## <400> 1562

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<210> 1563

<211> 725

<212> DNA

<213> Homo sapiens €

#### <400> 1563

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<210> 1564

⟨211⟩ 763

<212> DNA

<213> Homo sapiens

## <400> 1564

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<210> 1565

<211> 713

<212> DNA

# <213≻ Homo sapiens

## <400> 1565

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<210> 1566 ⋅

⟨211⟩ 666

<212> DNA

<213≻ Homo sapiens

# <400> 1566

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teettetgte acteetetgt ggeetgage ggeetgetgt eteeeggtea egageeagee 480
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ecacacagtg cettetgttt eeteetattg ggeagaateg tgteatgtgg eegeeeagtt 600
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⟨210⟩ 1567

**<211> 742** 

<212> DNA

<213> Homo sapiens

## <400> 1567

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<210> 1568

<211> 762

<212> DNA

## <213> Homo sapiens

## <400> 1568

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<210> 1569

<211> 718

<212> DNA

<213> Homo sapiens

## <400> 1569

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<210> 1570

<211> 591

<212> DNA

<213> Homo sapiens

#### <400> 1570

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<210> 1571

<211> 845

<212> DNA

<213> Homo sapiens

#### <400> 1571

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⟨210⟩ 1572

<211> 742

<212> DNA

<213> Homo sapiens

## ⟨400⟩ 1572

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<210> 1573

**<211>** 733

<212> DNA

<213> Homo sapiens

#### <400> 1573

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<212> DNA

<213> Homo sapiens

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<210> 1575

⟨211⟩ 711

<212> DNA

<213> Homo sapiens

## <400> 1575

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<210> 1576

**<211> 748** 

<212> DNA

<213> Homo sapiens

#### <400> 1576

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<210> 1577

<211> 835

<212> DNA

<213> Homo sapiens

# <400> 1577

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<210> 1578

⟨211⟩ 812

<212> DNA ...

<213> Homo sapiens

## <400> 1578

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tetttagtta tteaaattgt gaggttaaga aaggaaetee taagtgtage taetgettet 180 totgtocato atgggactat gtagtttggg agaaggaaag ggaactotaa ctagtgcoto atgagaaact atggagette tgtetetttg teetttgtat teeteattgt gaactacate 300 ttgaacccag agcaatagct gggcaagtga agagtcataa aggtgaaatg tgactgagaa 360 ggattacaaa ccctgtaatt aacagaggca atctattagc tgtagcctcc tagttaggag 420 aaggatgggg acagtgggtg cagttgaaca cacaacctaa ctctgaactg ggtccttgat 480 gtgctatagc ttatgaactt atggaactta gatttggaga cactggcttc aattattacg 540 tgcaactttt cagctgtgcg atgttggaca agtctaggaa ttataaaaaac taagacatac 600 tagccaaaat actitigaatt cigaaattcc attigtaatigg tattaattit gigggtagct 660 ctccataaag atgtttattt aaatnaaaac agttaagata aacattactg gtattgggaa 720 catattaatg gtagccatac ctacgccatt tgggtttaag aatcttggga ttatggctat 780 taaaataatg gatttttacc ncgattagnc nt 812

<210> 1579°

<211> 809

<212> DNA

<213> Homo sapiens

#### **<400> 1579**

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<210> 1580

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1580

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<210> 1581

<211> 778

<212> DNA

<213> Homo sapiens

#### <400> 1581

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<210> 1582

<211> 790

<212> DNA

<213> Homo sapiens

#### <400> 1582

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<210> 1583

<211> 793

<212> DNA

<213> Homo sapiens

#### **<400> 1583**

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<210> 1584

<211> 722

<212> DNA

<213> Homo sapiens

# <400> 1584

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<210> 1585

<211> 705

<212> DNA

<213> Homo sapiens

## <400> 1585°

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<210> 1586

<211> 786

<212> DNA

<213> Homo sapiens

### <400> 1586

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cccacc 786

<210> 1587

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1587

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<210> 1588

**<211> 837** 

<212> DNA

<213> Homo sapiens

<400> 1588

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<210> 1589

<211> 846

<212> DNA

<213> Homo sapiens

#### <400> 1589

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<210> 1590

⟨211⟩ 853

<212> DNA

<213> Homo sapiens

#### <400> 1590

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<210> 1591

⟨211⟩ 815

<212> DNA

<213> Homo sapiens

# **<400> 1591**

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<210> 1592

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1592

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<210> 1593

<211> 849

<212> DNA

<213> Homo sapiens

#### <400> 1593.

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<210> 1594

<211> 847

<212> DNA

<213> Homo sapiens

#### <400> 1594

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<210> 1595

<211> 831

# <212> DNA

# <213> Homo sapiens

## <400> 1595

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cgtcgcgtga	agaccttggc	nggaattagc	caagccggtt	ganatgcata	cctttgggag	780
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<210> 1596

<211> 805

<212> DNA

<213> Homo sapiens

# <400> 1596

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<210> 1597

<211> 845

<212> DNA

<213> Homo sapiens

## <400> 1597

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gactgggtcc caactgcgtg ctggacgaat tcggaaacac cttggtctta cttccctaaa 780 atctncatct acctgagaga cgagacttca caggtcattc gtatcacaat cctggcttan 840 cttta

<210> 1598

⟨211⟩ 851

<212> DNA

<213> Homo sapiens ⋅

#### <400> 1598

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<210> 1599

<211> 742

<212> DNA

# <213≯ Homo sapiens

# <400> 1599

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<210> 1600

<211> 785

<212> DNA

<213> Homo sapiens

# <400> 1600

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<210> 1601

<211> 768

<212> DNA

<213> Homo sapiens

#### <400> 1601

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<210> 1602 <211> 756 <212> DNA

<213> Homo sapiens

### <400> 1602

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<210> 1603

<211> 832

<212> DNA

<213> Homo sapiens

# **<400>** 1603

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<210> 1604

⟨211⟩ 801

<212> DNA

<213> Homo sapiens

### <400> 1604

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<210> 1605

<211> 750

<212> DNA

<213> Homo sapiens

# <400> 1605

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<210> 1606

<211> 767

<212> DNA

<213> Homo sapiens €

#### <400> 1606

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<210> 1607

<211> 730

<212> DNA

<213> Homo sapiens

#### <400> 1607

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<210> 1608

<211> 703

<212> DNA

<213> Homo sapiens

#### <400> 1608

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<210> 1609

<211> 704

<212> DNA

<213> Homo sapiens

#### <400> 1609

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**<210> 1610** 

<211> 782

<212> DNA

<213> Homo sapiens

#### <400> 1610

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<210> 1611

<211> 327

<212> DNA

<213> Homo sapiens

# <400> 1611

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<210> 1612

**<211>** 711

<212> DNA

<213> Homo sapiens

## <400> 1612

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<210> 1613

<211> 726

<212> DNA

<213> Homo sapiens

#### <400> 1613

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<210> 1614

⟨211⟩ 846

<212> DNA

<213≻ Homo sapiens

# <400> 1614

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<210> 1615

**<211> 846** 

<212> DNA

<213> Homo sapiens

<400> 1615

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<210> 1616

**<211> 785** 

<212> DNA

<213≻ Homo sapiens

# <400> 1616

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<210> 1617

(211) 841

<212> DNA

<213> Homo sapiens

#### <400> 1617

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<211> 702

<212> DNA

<213> Homo sapiens

# <400> 1618

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<210> 1619

<211> 806

<212> DNA

<213> Homo sapiens

# <400> 1619

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<212> DNA

<213> Homo sapiens

#### <400> 1620

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<210> 1621

<211> 826

<212> DNA

<213> Homo sapiens.

#### <400> 1621

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⟨210⟩ 1622

**<211>** 783

<212> DNA

<213> Homo sapiens

## <400> 1622

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<210> 1623 ⋅

<211> 462

<212> DNA

<213> Homo sapiens

## <400> 1623

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<210> 1624

<211> '797

<212> DNA

<213> Homo sapiens

# <400> 1624

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<210> 1625

<211> 780

<212> DNA

<213> Homo sapiens

# <400> 1625

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<210> 1626

<211> 695

<212> DNA

<213≻ Homo sapiens

# <400> 1626

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	ggcaggtgga	tcgcctgagg	tcaggagttt	gagaccagcc	tggccaacat	ggtgaagctc	420
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<210> 1627

<211> 661

<212> DNA .

<213> Homo sapiens

#### <400> 1627

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<210> 1628

<211> 802

<212> DNA

<213> Homo sapiens

#### <400> 1628

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₹210> 1629

〈211〉 751

<212> DNA

<213> Homo sapiens

#### <400> 1629

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<210> 1630

⟨211⟩ 764

<212> DNA

<213> Homo sapiens

#### <400> 1630

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<210> 1631

<211> 816

<212> DNA

<213≻ Homo sapiens

## <400> 1631

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cccacttaaa gggactctag tttttatcta aattataaaa	ggtgagaaga	cagttctgaa	180
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<210> 1632

<211> 860

<212> DNA

<213≻ Homo sapiens

# <400> 1632

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gtatcaggtc atatccctcc cctgctcaga acacttccaa ggctacatct tgctcggggt 300 aaaacccaga gtcctctgca aggccctgca ttgtctgccc tcatcacctc tctgacatca 360 tetactette ttactecetg tgetecagee acaetggeee gagggeettt gtgettgete 420 ttttctttgc ctaaagaact catctatcaa atagcccaga cttgttcctt cctctttagg 480 teteceetga gatgteaetg cetteetgag atetteeete accaecette taaatttgtg 540 acttatagtc acatctatct ttgcttcttt aactttatcc ttagcattaa tcatattact 600 gtttaacact ctgtagaatt tatctgtgtt tatggtctgt ctcccctgac ccttacctct 660 aggagactgt tgacttcatc agggaagggg cttttgctac ttcctccgtt atctncaaca 720 · catagaaaag tgcttggcac acagttaggg ctcagtaact acttatcaaa taaactattg 780 aagagcacat atctgggatc ccagcatggc aagggactnt ggcgatccct ttntacagaa 840 860 ctccaaggag ctggcttaaa

<210> 1633

(211) 727

<212> DNA

<213> Homo sapiens

## <400> 1633

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<210> 1634						
<211> 755	-					
<212> DNA						

#### <400> 1634

<213> Homo sapiens

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<210> 1635

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1635

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<210> 1636

<211> 845

'<212> DNA

<213> Homo sapiens

### <400> 1636

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<210> 1637

⟨211⟩ 828

<212> DNA

<213> Homo sapiens

### <400> 1637.

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# <400> 1638

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<210> 1639

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1639

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<210> 1640

**<211> 704** 

<212> DNA

<213> Homo sapiens

## **<400> 1640**

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<210> 1641

<211> 828

<212> DNA

<213≻ Homo sapiens

# <400> 1641

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180	aatactacca	aagatcaatg	acatcataaa	agcttcataa	aagtaaattt	gaacttcatc
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780	acattggtgt	tccttgatga	cangccagta	aagaaaactt	acaccggaga	tggcagagac
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<210> 1642

<211> 804

<212> DNA

<213> Homo sapiens

### <400> 1642

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<210> 1643

**<211> 553** 

<212> DNA

<213> Homo sapiens

#### <400> 1643

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<210> 1644

<211> 844

<212> DNA

<213> Homo sapiens

# <400> 1644

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tcaa	•		•			844

<210> 1645

<211> 752

<212> DNA

# <213≻ Homo sapiens

# <400> 1645

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gacgctgtgc	cgcgagcaga	agtccttcct	cagccgcctg	tgccaggggg	aagagctgca	180
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catcctgaac	ttcctccggc	atggcaagct	ggtgctggac	aaggacatgg	ctgaggaggg	300
ggtcctggag	gaagccgagt	tctacaacat	cggcccgctg	atccgcatca	tcaaagaccg	360
gatggaagag	aaggactaca	cggtcaccca	ggtcccaccc	aagcatgtgt	accgcgtgct	420
gcagtgccag	gaggaggagc	tcacgcaaat	ggtctccacc	atgtctgatg	gctggcgctt	480
cgagcagctg	gtgaacatcg	gctcctccta	caactacggc	agcgaggacc	aggcagagtt	540
cctgtgtgtg	gtgtccaagg	agctccacag	caccccaaac	gggctgagct	cagagtccag	600
ccgcaaaacc	aagagcacgg	aggagcagct	ggaggagcag	cagcagcagg	aggaggaggt	660
ggaggaaggt	gaggtggaac	aggtgcaggt	ggaggcagat	cacaggagaa	aggtcccgtn	720
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<210> 1646

<211> 445

<212> DNA

<213> Homo sapiens

# <400> 1646

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cagtccatat	gggttacaac	agttcaatca	agaactaggc	caggcacggt	ggctcacgcc	240
tgtaattcca	gcactttggg	aggctgaggc	gggtgtatca	cctgaggtca	agagttggag	300
accagcctga	acaacatggt	gaaaccccct	ttctacaaaa	ttagctgcgc	gtggtgctgc	360

				•		
gtgcatgtag	tctcagctac	ttggggggct	gaggcaggag	aatcgcttga	gcctgggagg	420
canangttgc	aatgagccan	gatcg	·. ·-	•		445
<210> 1647						
<211> 858	.*					
<212> DNA			· -			• •
<213> Homo	sapiens	•	,			
	· · · · · · · · · · · · · · · · · · ·		. ,			
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gtccaaattc	atagatcaca	aacttcatat	gtaccagagt	atgtctaggt	actgggagat	180
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ggatatgccc	tcaagataat	atggatttag	aaccagaact	ttcataatgn	atttctattg	780
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<210> 1648

<211> 799

<212> DNA

<213> Homo sapiens

# **<400> 1648**

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<210> 1649

**<211> 841** 

<212> DNA

<213> Homo sapiens

## <400> 1649

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<210> 1650

**<211>** 745

<212> DNA

<213> Homo sapiens

## <400> 1650

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<210>.1651

<211> 766

<212> DNA

<213> Homo sapiens

# <400> 1651

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gtggcaggct	gatgaatcct	ttccacccct	ccacataatt	gtgtctcttg	caggattcca	180
ggaaggctat	ccttacccct	atccccatac	cctgtactta	ctggacaaag	ccaatttacg	240
accacaccgc	cttcaaccag	atcagctgcg	ggccaagatg	atcctgtttg	cttttggcag	300
tgccctggct	caggcccggc	tcctctatgg	ggtatgtagg	tggagaagac	cactgagttg	360
ctttacgtgg	tgttggtctc	ctcccttaag	gttactgctc	agaggaagaa	aagggatata	420
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acagtagccc	acatgttttt	actgaagtcc	ccactttcta	agctatgcca	tagaattaca	600
gggaggccat	gcagcttatc	agcattacac	agcactaagt	ggtggagata	ggactgcagc	660
taggtctgcc	ccactctgaa	gtcttcagtt	gnttgtgctg	cagcatgctg	cctctggtct	720
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<210> 1652

<211> 762

<212> DNA

<213≯ Homo sapiens

# <400> 1652

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180 caaatgtgag aatactgggc agggggaggg gagaaaggag ggaatggagg gctgagcctg gaggcatgaa aggggcaacc taggcagcgg tatgggggag tgctcagagc ttggagtcct 240 gtggaaggca gagaactgcc ccagcccctg cctctcatcc cccaccctct gtgtccctgg 300 ccgagaggtt cctggaggac atttttccag caaaagaggg agggtggtgt ctgggcctag 360 atccttggat gggcttttct ctgcctgctt gtggggtgcc tagggcgagt gggcttttgg 420 agacaatttc tggcctaacc tgacttggac agcagcccc agaggcacag ctctcccctc 480 540 aggeatgggg geatgattee acctegetag eccaeatgtg ttetteaegg agggetgetg gcccgtctcc ctggggttac cctgagcagc agagctgtgt ttgttgagac tccatggggt 600 660 ggagggattg cgatgttgtc ctctcagttc ccggggctga tgtggaagct caaggcttgc cctggattct tcanggtagc cctgccatcc ctagtgagtc antgagttgg gaagtttggg 720 762 ggcttggaaa aatcaggtag ggaaggacac agctnggacc tt

<210> 1653

⟨211⟩ 863

<212> DNA

<213> Homo sapiens

#### <400> 1653

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gtatcagaag agatttcaac tcaacatgaa aattctacta cttggaatta tttgaaaaat 720 caagtatttg aaggaaaaaa ttattttca tctaaagaag cattacattt ccttttgcta 780 gaaacgattg acaatgatgg aatttttcct gacatataat taaatatgga cctnttcaag 840 tggatngcaa ctgnatccca acc 863

<210> 1654

<211> 918

<212> DNA

<213> Homo sapiens

# <400> 1654

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<210> 1655

<211> 704

<212> DNA

<213> Homo sapiens

# <400≻ 1655

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aagacattgt	ggcctcctta	aaataaaagg	tcaaggccag	gtacggtgtg	gctcacacct	180
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atataggaag	caaaaagctg	ggagaggaag	gagaagaact	tctactgata	ttaccacaat	660
tgtgaattag	aaaaatcaag	cnnatnaaaa	tttaaaaaaa	ccag		704

<210> 1656

<211> 712

<212> DNA

<213≻ Homo sapiens

# <400> 1656

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<210> 1657

<211> 605

<212> DNA

<213> Homo sapiens

## <400> 1657

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<210> 1658

<211> 626

<212> DNA

# <213≻ Homo sapiens

# <400> 1658

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aggatagaag	gaacgtatct	cagtgagtgt	gcaagttaag	tacttggcat	aatgtaatag	180
tgcctttcat	atcctaaggt	caaactgtgg	gtatctttaa	actgtctaga	ccacacgtgc	240
atacaaatcc	tccctgggg	atctcctgaa	atgcacattc	tgatttggga	gctcagggag	300
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taggaagtgg	atgctcaaaa	tgatcttttc	aactgaactg	aagaggctgc	tgtcccagag	540
tccgtttacg	ttagtggcct	tgggaccgca	ggggtgtggc	gacccagtca	tagcctgtac	600
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<210> 1659

<211> 807

<212> DNA

<213> Homo sapiens

# <400> 1659

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gcagaggagt	cgctaccagc	gcccagtgcg	ctctgtcagt	ccgcaaactc	cttgccgccc	180
gccccgggct	gggcaccaaa	taccaggcta	ccatggtcta	caagactctc	ttcgctcttt	240
gcatcttaac	tgcaggatgg	agggtacaga	gtctgcctac	atcagctcct.	ttgtctgttt	300
ctcttccgac	aaacattgta	ccaccgacca	ccatctggac	tagctctcca	caaaacactg	360
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<210> 1660

<211> 775

<212> DNA

<213> Homo sapiens

#### **<400> 1660**

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<210> 1661

<211> 755

# <212> DNA

# <213> Homo sapiens

# <400> 1661

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tgctgctttt	tctttctttc	tttttttt	aagagacgga	gtcttgctgt	gttgcccant	720
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<210> 1662

<211> 802

<212> DNA

<213≻ Homo sapiens

# <400> 1662

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gcacatactt gtgattccag ctacctggga ggctgaggca ggagaatcac ctgagcccag 360 gaggcggagg ttgcggtgag ctgaaatcac accattgcac ttcagcctgg atggcagagc aagaccctgt ctcaaaaaga aaaagaaaat gaaattgtat gattatcttt aggtttttgg 480 gtacaaatgt agatcctcaa aaactttatc agaaatttgg aaatctgtaa ataagttata 540 tgtatctcct tttaaaatcc aatattagta agctatatgt ataaaaacaa agctagtgta 600 tettgaaaag tttttattte tttatteett ateceteett ateceaetga aetattgaag 660 aacttettat agatttaeet teeeattagt getgtagtae agttttettt tateteeatt 720 gnettgngtt teetggetaa attttaettg gtataaaaet attgggteae ttttggneta 780 802 gaatagaact ttcatagtat aa

<210> 1663

<211> 740

<212> DNA

<213> Homo sapiens

## <400> 1663

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<210> 1664

<211> 790

<212> DNA

<213> Homo sapiens.

# <400> 1664

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<210> 1665

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1665

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<210> 1666

<211> 720

<212> DNA

<213> Homo sapiens

### **<400> 1666**

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caaatgtgtg gagcatggaa taacagctca atgaaggctt tagatgtctc ttggaatgtt 660 tcatatgaat gaattgtann agggaagtct tcatgactag gtgggcctgc tccttntagc 720

<210> 1667

<211> 753

<212> DNA

<213> Homo sapiens

# <400> 1667

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<210> 1668

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1668

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<210> 1669

<211> 773

<212> DNA

<213> Homo sapiens

### <400> 1669

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<210> 1670

<211> 720

<212> DNA

<213> Homo sapiens.

<400> 1670

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<210> 1671

<211> 706

<212> DNA

<213> Homo sapiens

#### <400> 1671

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<210> 1672

<211> 757

<212> DNA

<213> Homo sapiens

## <400> 1672

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<210> 1673

<211> 676

<212> DNA

<213> Homo sapiens

### <400> 1673

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<210> 1674

⟨211⟩ 681

<212> DNA

<213> Homo sapiens

### <400> 1674

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<210> 1675

<211> 546

<212> DNA

<213> Homo sapiens

## <400> 1675

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aattca 546

<210> 1676

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1676

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<210> 1677

**<211>** 753

<212> DNA

<213> Homo sapiens

<400> 1677

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<210> 1678

**<211>** 779

<212> DNA

<213> Homo sapiens

## <400> 1678

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<210> 1679

⟨211⟩ 837

<212> DNA

<213> Homo sapiens

### <400> 1679

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<210> 1680

<211> 770

<212> DNA

<213> Homo sapiens

### <400> 1680

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<210> 1681

<211> 706

<212> DNA

<213> Homo sapiens

### <400> 1681

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gatgggattt ataacacgga agcaaaatat agagatttga aaattctcag cctaagcatg 180
taaataaaaa ggtatttagg aaagtaaacc aagggtgtga ccaagtgact ttctgatcag 240
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cacttcagag agcttcaagg ccgctcctcc catcacaggc ccacagtgcg agggccttga 360
aggcaggatg gtttccaggg aagggcgtag aacactcatg gaactttggg gcttgctgcc 420
cggggctgcc tcaagtctct gctcccaca tcccggcaca gtgctccttg gctgccgtag 480

ttgtggctcc agtgggccca ggtgcagttt agtccctgct ctggagggca aagtggtgaa 540 cctcagcatc cacatggtac tgattttgca agtgtgcaga gtgcacaaga tgtggaagca 600 tggcatcctt caaagagatt tcttttttt tttttttgag acagactctc actgtattgc 660 ccaagctgga ntgcagtggt gcgatctngg cccaccgcaa ccttng 706

<210> 1682

<211> 494

<212> DNA

<213> Homo sapiens

#### <400> 1682

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<210> 1683

<211> 720

<212> DNA

<213> Homo sapiens

#### <400> .1683

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<210> 1684

<211> 756

<212> DNA

<213> Homo sapiens

### <400> 1684

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<212> DNA					
<213> Homo sapiens	•		·		
				•	
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<210> 1686

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1686

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240

300

360

420

480

540

600

648

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<210> 1687

<211> 751

<212> DNA

<213> Homo sapiens

#### <400> 1687

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cccaaagaat	ggtgttnggt	atgtngggtg	gtcccacttc	gcttttggtc	aatgggcttn	720
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<210> 1688

<211> 841

<212> DNA

<213> Homo sapiens

# <400> 1688

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tcatag	aata	cagtcatggt	tacttggttt	ccaatgtgta	gccttgtttg	gggcttgctt	180
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gcaaga	acat	agactttggg	tcatagacct	gganttaaag	tctggccttg	aggccccggg	840
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<210> 1689

<211> 825

<212> DNA

<213> Homo sapiens

# <400> 1689

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<210> 1690

<211> 867

<212> DNA

<213≻ Homo sapiens

# <400> 1690

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<210> 1691

<211> 759

<212> DNA

<213> Homo sapiens

#### <400> 1691

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<210> 1692

<211> 857

<212> DNA

<213> Homo sapiens

# <400> 1692

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<210> 1693

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1693 ·

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<210> 1694

<211> 861

<212> DNA

<213> Homo sapiens

#### <400> 1694

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<210> 1695

**<211> 759** 

<212> DNA

<213> Homo sapiens

#### <400> 1695

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<210> 1696

<211> 851

<212> DNA

<213≻ Homo sapiens

# <400> 1696

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gctgctacta	aatatctacc	aggagactgc	ttgagagaat	tgcctgatgg	gtgctgagtc	180
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<210> 1697

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1697

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tcgtaattcg tgccttatca gaatggacct gttatactgg cagttcacca tatataccat tacattttgt ttctcccatc tctcaggtag acttacactt tcggcccagc acatcagtca tegecettge ttgettteet atteacteet gttetggaag gtgeaceace ttttettgga 300 aggetteeet tgeteteeca ggetagatga gatgteette cateagttee cacageacce 360 tgtgcatgta tctgttgtgc acttaccaat agtatacaag ggatctatga cccaagtctc 420 tececactag ettgtaaget eeteacagae aggaaceatg ttttgtettt gtaeteeagt 480 gcctagtata taagagatac tcaataaata aatatttgtc aaatcaacta attgattcct 540 tgtgacctaa ttctagagaa tgggaagaag gcctgttatt ttgttgtcct ttatggttct ttaggaaagc tctccaagct tggcatttgt cagggtggga ggaaaactgt tgaagtatta 660 agactggaca catggctgct aattcatcag cttatcattg aaaaagtcca tagccaaaac 720 ctgactgngc acttactata ggaccctgac tgnctgggtc ttcctgtctc ctccagccag 780 tatatttaaa aggtaatgag ataatgatga agtggtttgn aaaaaggtta agggtcaaat 840 ngaaaccatt c 851

<210> 1698

<211> 773

<212> DNA

<213> Homo sapiens

#### <400> 1698

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<210> 1699

<211> 795

<212> DNA

<213> Homo sapiens

#### <400> 1699

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<210> 1700

**<211> 801** 

<212> DNA

# <213> Homo sapiens

# <400> 1700

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ggaggggaac	ttaaaaagag	gcccatcatc	ctgcaggtcg	agatggacac	cagagtccag	180
ggaggctaag	gtggctggaa	ttcgcatcgg	aggatgaagg	agaggaagga	gctaaacaga	240
gagaagggcc	agaacctgcc	caggggcgcc	tggagtctag	ccgtgttgca	gtcggcccgt	300
ggaaacttac	tcctgaggct	gggaggctct	aaactgaaca	gctcccaaag	atcaggtggg	360
gctggaaatc	actgaagctg	ccaccagcca	agtaacaggc	cccactgagt	attcggggcg	420
cccagggcat	tccccgaagg	gccatgcctt	aggagtgggg	ctggactcgg	ccaagggtaa	480
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cgccttcaga	gcagcctggc	caacatgggg	aaaacccgtc	tctactaaaa	atagaaaaac	660
ttagccgggc	gcggtagcac	acgcctgcgg	tcccagcttg	cttcgggagg	cttaagccgg	720
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<210> 1701

<211> 853

<212> DNA

<213> Homo sapiens

# <400> 1701

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tggattttca	caaactgaac	atacctgtgt	aatcagcatc	tagacccaga	cccagagcat	180
cacaaatatc	ccccatcctg	ggcttttccc	agaggagatg	ggggcttctg	aagatggact	240
tacctgggac	ctgccccca	tgagccagga	cggtccccc	acagtcagcc	tgtgcaaagg	300

ccccgtggcc aggggtggag gagaatatgt gggtgtggac aggatgggag actgtggcct 360 gaacaggaga ttttattata tctggagacc ctgagagacc ctgagacctg gggcaccatg 420 getggecagg teagaageat cetgaetgea gaggteegtg cagecacace etetteeetg 480 ccagcaagtt gtctgcggct catcggaggc ccctccgcct ggagccttct atggacgtga 540 tatgeetgta tetgttttta atttteatte tteaettagg ggaagtgaaa tegeteagag 600 atgagateet ttaattgaaa acgaagtgta acggaateta gtgtetttet aatgtggtaa 660 aattetteat caacateaca gteagetgge agetgaaett cagaatetea ettacageag 720 gcgacacngg ggtacaccga tgggtcacac tgggtctggg ggcttcctgg acttcttctg 780 cgtgtggtct ggntaggaag ttgaattgtt gcttccangg ttattctcct tcttgagtca 840 853 cagtnacacg aat

<210> 1702

**<211> 828** 

<212> DNA

<213> Homo sapiens

#### <400> 1702

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gcaacatgaa	tggaaataga	gtcattatgt	taaagtgaaa	taattcaggc	ncacaaaggc	780
caagtnttac	acgttctnac	ccaaataggg	gaactaaatg	atctcaag		828

<210> 1703

<211> 719

<212> DNA

<213≻ Homo sapiens

# <400> 1703

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ctctgctctc ttcttcgcca gcacgctgat caccaccatg	ggctatgggt acacaacgcc	180
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gaccttccgc cacgtgtccg accttcacgg ncttacggag	ctcatcctgc tgccccttc	660
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<210> 1704

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1704

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· <210> 1705

<211> 781

<212> DNA

<213> Homo sapiens

### <400> 1705

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cacteaetea aatagagaaa tgagetettg cagttaceat ttaatetgtg acttetttt 660
gagatgeaga aaaaeteeat tataaagtge teagtteate cagggaeaea gaeaeaetgn 720
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<210> 1706

<211> 817

<212> DNA

<213> Homo sapiens

#### <400> 1706

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<210> 1707

<211> 852

<212> DNA

<213≻ Homo sapiens

### <400> 1707

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<210> 1708

<211> 635

<212> DNA

<213> Homo sapiens

### <400> 1708

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<210> 1709

<211> 851

<212> DNA

<213> Homo sapiens

#### <400> 1709

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<210> 1710

<211> 775

<212> DNA

<213> Homo sapiens

# <400> 1710

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<210> 1711

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1711

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<210> 1712

⟨211⟩ 703

<212> DNA

<213> Homo sapiens

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<210> 1713

<211> 747

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 1713

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<210> 1714

<211> 843

<212> DNA

<213> Homo sapiens

# <400> 1714

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<210> 1715

<211> 840

<212> DNA

<213> Homo sapiens

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<210> 1716

<211> 840 ·

<212> DNA

<213> Homo sapiens

#### <400> 1716

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<210> 1717

**<211>** 749

<212> DNA

<213> Homo sapiens

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<210> 1718

⟨211⟩ 839

<212> DNA

<213> Homo sapiens

<400> 1718

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<210> 1719

<211> 844

<212> DNA

<213> Homo sapiens

#### <400> 1719

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<210> 1720

⟨211⟩ 817

<212> DNA

<213> Homo sapiens

#### <400> 1720

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<211> 834

<212> DNA

<213> Homo sapiens

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<211> 797

<212> DNA

<213> Homo sapiens

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<210> 1723

**<211> 742** 

<212> DNA

<213> Homo sapiens

#### <400> 1723

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<210> 1726

<211> 836

<212> DNA

<213> Homo sapiens

#### <400> 1726

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<210> 1727

<211> 696

<212> DNA

<213≻ Homo sapiens

# <400> 1727

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<210> 1728

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1728

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<210> 1729

⟨211⟩ 787

<212> DNA

<213> Homo sapiens

#### <400> 1729

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<210> 1730

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<212> DNA

<213> Homo sapiens

# <400> 1730

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gcttttgcac	ttcctctgnc	tgtcctncat	acaggcttct	tgccctaatg	aggactggct	720
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⟨210⟩ 1731

<211> 390

<212> DNA

<213> Homo sapiens

#### <400> 1731

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ccaaggaacc gctctgggaa ggtttgcaaa ggtcggggtc ccccctgcca ggtgatcgaa 180
ttatcgtgga gtgtctggaa ggcgggggaa gttttgttga gttcaccaaa taactcagac 240
caactggaaa ccaagtggag tttctacagg accaactaga atagggatca gctacatggg 300
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**<210>** 1732

<211> 781

<212> DNA

<213> Homo sapiens

#### <400> 1732 /·

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781

<210> 1733

<211> 846

<212> DNA

<213> Homo sapiens

# <400> 1733

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tgtgattact	ttgtaggcta	gactgcagac	tgttaattga	ctactttctg	gtccctctan	660
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tctgaaatga	aatcattttc	ttatgttaaa	aataaagtta	attactggtt	caacttccca	780
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<210> 1734

<211> 690

<212> DNA

<213> Homo sapiens

## <400> 1734

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<210> 1735

<211> 726

<212> DNA

<213> Homo sapiens

# <400> 1735

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<210> 1736

⟨211⟩ 831

<212> DNA

<213> Homo sapiens

#### <400> 1736

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<210> 1737

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<212> DNA

# <213> Homo sapiens

# <400> 1737

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180	cccggccggc	tgagagtctg	tgcgcactgg	gagccacgca	cggtgccgga	gagtacggac
240	cccgtcatcc	cgcggggagt	cccggttttt	ggcctgggcg	gcgttcccca	gctgctcgct
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600	cagacctnct	cagagcaccc	catgggcctn	ctatggcttc	tcaaaacatc	ccacgactct
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720	gaactcttan	gacctcatcg	gggttcatgt	aatactcgtg	aggacccctc	gtgatcccat
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<210> 1738

<211> 826

<212> DNA

<213> Homo sapiens

# <400> 1738

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<210> 1739

⟨211⟩ 831

<212> DNA

<213> Homo sapiens

#### <400> 1739

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<210> 1740

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1740

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tgacatagca	atcctatttt	taggtattta	tccaagagaa	atgaaagcat	atccatacaa	180
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<210> 1741

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1741

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<210> 1742

⟨211⟩ 713

<212> DNA

<213> Homo sapiens

## <400> 1742

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<210> 1743

⟨211⟩ 827

<212> DNA

<213> Homo sapiens

#### <400> 1743

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<210> 1744

<211> 663

<212> DNA

<213> Homo sapiens

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<210> 1745

<211> 586

<212> DNA

<213> Homo sapiens

# <400> 1745

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586

<210> 1746

<211> 711

<212> DNA:

<213> Homo sapiens

<400> 1746

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tgcccctgct	ctagagatct	gtgaactctg	aactcgagag	ggtatctggc	agaaaaaatt	180
tctaagcagc	aaagtgttca	agatgtggcc	tgattgcttc	taaaagccta	tgctcatttg	240
catgaacaaa	gtggaactta	tatttaaaac	agaagctgag	cttttataaa	agtttggaga	300
atttgcagcc	caaccatgtg	gtgaaaaaga	aaaatccatt	ttctggggag	gaattcaagg	360
ctgcagaaat	ttgcataaga	agagcctcat	gttaacagcc	aagagagtga	ggaaaatgcc	420
tctagagcat	ttcagagacc	ttcacagcag	ctcctcccat	cacaggtatg	gaagcccagg	480
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cttgggctgc	tgcttcagag	ggtgcaagcc	ccaagccttg	gtggcttcca	tgtggtgtta	660
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<210> 1747

<211> 550

<212> DNA

<213> Homo sapiens

**<400> 1747** 

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<210> 1748

<211> 802

<212> DNA

<213> Homo sapiens

#### <400> 1748

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<210> 1749 <211> 752 <212> DNA

<213> Homo sapiens

<400> 1749

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<210> 1750

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1750

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gtggctgagg cgggaggatc tcttgagctt aggcttttgg gctatcatgg cgccagtgca ctccagcgtg ggcaacagag cgagaccctg tctctcaaaa aagaaaaaaa aaaaaaaaga 240 aagagaaaag aaaagaaaga aagaagtgaa ggtttgtcag tcaggggagt tgtaaaacca 300 ttaataaaga taatccaaga tggttaccaa gactgttgag gacgccagag atcttgagca 360 ctttctaagt acctggcaat acactaagcg cgctcacctt ttcctctggc aaaacatgat 420 cgaaagcaga atgttttgat catgagaaaa ttgcatttaa tttgaataca atttatttac 480 aacataaagg ataatgtata tatcaccacc attactggta tttgctggtt atgttagatg 540 tcattttaaa aaataacaat ctgatattta aaaaaaaatc ttattttgaa aatttccaaa 600 gtaatacatg ccatgcatag accatttctg gaagatccac aagaaacatg taatgatgat 660 tgcctttgna nggctatttt tcctcctttg acccggggng 700

<210> 1751

<211> 849

<212> DNA

<213> Homo sapiens

## <400> 1751

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aagaaaatct	aggcaatcta	tctgggacat	aggcccaggc	caagatttta	taatgcaaat	840
cccaaatcn	* * * * * * * * * * * * * * * * * * * *				. :	849

<210> 1752

<211> 723

<212> DNA

<213≻ Homo sapiens

# <400> 1752

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ggtattggtc t	gtcctgttg	tgtgaattat	tttttaaatg	tttcccggca	gctcaggtcc	180
aagtgtcagg a	aagcaggta	gttgtatttg	tcctggatgg	ggctttcttg	gatgtgacag	240
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agttaggaga a	ctaagctgg	actaggaagt	gaaaataggt	gagtctgata	gagtagaatg	360
aactgtgctt g	gaagacagg	tgccatggga	gtaatcgggt	aattaagcag	cgagagtctc	420
attagggtga g	agcggaggc	atctgagtga	gtggatctgg	aggtgacggt	ggaggtcagć	480
gtatggtttt g	gcagtcgtg	gcactcacct	ctctgagggc	ttccctgtag	gagggacata	540
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aatacattac a	taaaagcag	tgctggagcc	tctatggctt	anggtcangg	cttaagtaag	660
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gta						723

<210> 1753

<211> 706

<212> DNA

<213> Homo sapiens

#### <400> 1753

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⟨210⟩ 1754

<211> 761

<212> DNA

<213> Homo sapiens €

# <400> 1754

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<210> 1755

**<211> 774** 

<212> DNA

<213> Homo sapiens

### <400> 1755

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<210> 1756

<211> 604

<212> DNA

<213> Homo sapiens

# <400> 1756

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cctt			·	•		604

<210> 1757

⟨211⟩ 831

<212> DNA

<213≻ Homo sapiens

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<210> 1758

**<211> 811** 

<212> DNA

<213> Homo sapiens

### **<400> 1758**

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<210> 1759

<211> 745

# <212> DNA

# <213> Homo sapiens

# <400> 1759

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<210> 1760

<211> 836

<212> DNA

<213> Homo sapiens

# <400> 1760

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<210> 1761

<211> 800

<212> DNA

<213> Homo sapiens

# <400> 1761

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800

<210> 1762

<211> 747

<212> DNA

<213> Homo sapiens

# <400> 1762

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<210> 1763

<211> 682

<212> DNA

<213> Homo sapiens

<400> 1763

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<210> 1764

**<211> 799** 

<212> DNA

<213> Homo sapiens

#### <400> 1764

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<210> 1765

**<211>** 761

<212> DNA

<213> Homo sapiens

#### <400> 1765

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<210> 1766

<211> 823

<212> DNA

<213> Homo sapiens

# <400> 1766

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<210> 1767

<211> 782

<212> DNA

<213≻ Homo sapiens

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300	gcccaagatg	cgactcctgt	ggcatcatct	caggaacaat	tccctgcccc	gtacacctta
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⟨210⟩ 1768

⟨211⟩ 806

<212> DNA

<213> Homo sapiens

# **<400> 1768**

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<210> 1769
<211> 728
<212> DNA
<213> Homo sapiens

# <40.0> 1769

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<210> 1770

<211> 794

<212> DNA

<213> Homo sapiens

#### <400> 1770

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⟨210⟩ 1771

⟨211⟩ 807

<212> DNA

<213> Homo sapiens .

#### <400> 1771

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<210> 1772

<211> 760

<212> DNA

<213> Homo sapiens

# <400> 1772

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<210> 1773

<211> 842

<212> DNA

<213> Homo sapiens

# <400> 1773

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<210> 1774

<211> 848

<212> DNA

<213≻ Homo sapiens

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<210> 1775

<211> 691

<212> DNA

<213> Homo sapiens

### <400> 1775

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<210> 1776 <211> 663

<212> DNA

<213> Homo sapiens

# <400> 1776

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⟨210⟩ 1777

⟨211⟩ 658

<212> DNA

<213> Homo sapiens

#### <400> 1777

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⟨210⟩ 1778

⟨211⟩ 604

<212> DNA

<213> Homo sapiens

## ⟨400⟩ 1778

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<210> 1779

<211> 638

<212> DNA

# <213≻ Homo sapiens

# <400> 1779 -

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<210> 1780

<211> 654

<212> DNA

<213> Homo sapiens

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agaagtatta	ctttattatt	aatttgggct	tttggccaaa	atàccaatgt	aaatttgtgt	420
agtaaacagg	gtgacatcat	attacttaag	ctccaggact	agtcaagggc	tctctcatcc	480

tcctaaattt cactgnctta ctactctttg gttgatggct ttgcagaaga ccccaacaat 540 tagtctttta gagtgtaa gagtgaaacg accaagaaca agaacncaaa ctcttacatg 600 tatgngactt ttttttctat cttgcccttg aatcaanaat tggggaactt ttaa 654

⟨210⟩ 1781

<211> 678

<212> DNA

<213> Homo sapiens

# <400> 1781

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<210> 1782

⟨211⟩ 782

<212> DNA

<213> Homo sapiens

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<210> 1783

<211> 739

<212> DNA

<213> Homo sapiens

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<210> 1784

<211> 669 €

<212> DNA

<213> Homo sapiens

#### <400> 1784

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<210> .1785

<211> 785

<212> DNA

<213> Homo sapiens

# <400> 1785

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cgccatgctc	cccgaaactg	ggaactgaca	agccagccct	tcaaagccct	tctcagttca	720
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<210> 1786

<211> 639 --

<212> DNA

<213> Homo sapiens

# <400> 1786

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ccttngtaac cataaatccc ctttnctgca naaaacccc 639

<210> 1787

<211> 468

<212> DNA

<213> Homo sapiens

#### <400> 1787

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<210> 1788

<211> 742

<212> DNA

<213> Homo sapiens

### <400> 1788

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<210> 1789

<211> 770

<212> DNA

<213> Homo sapiens

#### <400> 1789

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<210> 1790

⟨211⟩ 819

<212> DNA

<213> Homo sapiens

#### <400> 1790

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<210> 1791

**<211>** 785

<212> DNA

<213> Homo sapiens

### <400> 1791

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<210> 1792

<211> 746

<212> DNA

<213> Homo sapiens

#### **<400> 1792**

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<210> 1793

<211> 728

<212> DNA

<213> Homo sapiens

### ⟨400⟩ 1793

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<210> 1794

<211> 721

# <212> DNA

# <213≻ Homo sapiens

# <400> 1794

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g		• •	•			721

<210> 1795

⟨211⟩ 853

<212> DNA

<213> Homo sapiens

# <400> 1795

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<210> 1796

(211) 681

<212> DNA

<213> Homo sapiens

#### <400> 1796

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<210> 1797

<211> 717

<212> DNA

<213> Homo sapiens

# <400> 1797

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cccactggag	cacttcctag	tggagctatg	agaagagaac	cactgtcctc	ctgacatcat	480
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<210> 1798

<211> 636

<212> DNA

<213> Homo sapiens

# <400> 1798

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<210> 1799

⟨211⟩ 723

<212> DNA

<213> Homo sapiens

#### <400> 1799

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<210> 1800 <211> 805

<212> DNA

<213> Homo sapiens

<400> 1800

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ttctctatag ggctt	gctca cacagttatg	gttagctaca	ggttagctgg	tggctggctt	660
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<210> 1801

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1801

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catcatgcct gtatgaagtg gaaatgaaag gctggtataa gctgtaaagt ctttttgttc 180 ttagagattt ttttctcatt ctaaacatta tcagacctga aaagtatttg tcgtaatgac 240 tgagacggtc ctggggtaac agcgtcttct taacggccac tttaattggc gtagtttaca 300 cctagcctct ccgagaactg gaggacactg gtaatcacta ttagatattg agtgctgact 360 gtatggcaga cacataagca ttggtgatct cctgtgaggc aggtattgtt attcccaatt 420 tatagatgaa gaaacagaag tcagtgaggt ggagtccgtt tttgaggtca cgcggctagt 480 aattggagcc tggtttagaa ccaagtcagt ctcattccag aatccagaac cagtgatttg 540 taactgatgc acttgtctcc aaagggatcc agcactgggt tttctcattt ttaatgcatc 600 catteettaa ageetetgtt cacagteaca aggtgtaett tttaaaggaa cacageacae 660 aaatgtgacc gctagtggac agcantggca gcccanttgg atggcagagc ctggcatgcc 720 780 gactgggaca gaaccccagc acacggtgtg atgatggcgt nttcaggctt gaccttcatg 781

⟨210⟩ 1802.

⟨211⟩ 420

<212> DNA

<213> Homo sapiens

#### <400> 1802

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<210> 1803

<211> 697

# <212> DNA

# <213≻ Homo sapiens

# <400> 1803

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taagaacaga	ctacaaaaaa	atatgccttt	caatcctgaa	gagtaacctg	aactatacac	180
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taaagatatt	ccatagctgg	gaatcttaat	ctgaggtacg	tgtaaacatt	cagggactat	360
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ttaccaactg	cctaacagtg	catacatatg	tagaagtttt	attcttttct	cctggtgcca	660
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<210> 1804

<211>. 750°

<212> DNA

<213≻ Homo sapiens

# <400> 1804

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aaaagaggtt taattggctc atggttctgc aggctgtata ggaagcatgg ctggggaggc 420 cacaggaatc ttacaatcat ggtagaaggc gaaggggaag caagtacctc ttacatggct 480 ggtgcaagag gaaaagagag agggggaagg tgctacacgc ctttaaacaa ccagatctcg 540 tgagaactct attgagagaa cagcaccaaa ggaatggtgc taaactattc aaaagaaatc 600 acccctgtgg tgcaatcacc ttccaccagg ccccaccttc aacattaggg atcacaattt 660 gacatgagat ttgggtggg accccaaatc caaaccatat canaagctgc ttttactgaa 720 anggctttcc agtcanaaaa ctggattggc 750

<210> 1805

⟨211⟩ 782⋅

<212> DNA

<213> Homo sapiens

### <400> 1805

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<210> 1806 <211> 752

<212> DNA

<213> Homo sapiens

# <400> 1806

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<210> 1807

<211> 760

<212> DNA

<213> Homo sapiens

## <400> 1807

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<210> 1808

**<211> 730** 

<212> DNA

<213> Homo sapiens

#### <400> 1808

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atcacagcct 730

<210> 1809

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1809

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<210> 1810

⟨211⟩ 894

<212> DNA

<213> Homo sapiens

<400> 1810

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⟨210⟩ 1811

<211> 885

<212> DNA

<213> Homo sapiens

#### <400> 1811

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<210> 1812

**<211> 722** 

<212> DNA

<213> Homo sapiens

#### <400> 1812

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<210> 1813

<211> 832

<212> DNA

<213≻ Homo sapiens

# **<400>** 1813

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tacgtattac a	tttctgtag	catttaaact	tttgatgaat	actttcccct	ggtactattt	180
cttggatact c	cacagaaacc	ctacaaatta	agtaatgtcc	atcttttcca	gatagtgaat	240
ccagtactga a	atgttaaat	taattgttca	atattcctta	gctagtaagt	gggaagagcc	300
agaattcaaa c	ctatctcat	cgctttatac	ttaaattttt	tttctatcgg	tctttttca	360
gtatttgcga t	tttattaag	aaggaagttt	agaccatggg	tggcttaaca	tgccctaata	420
ggtgaatttt t	tttttggctt	tccagatggc	ttttatttat	ttgcattgca	aatgcttttt	480
ttttaaaaaag a	ngattttctg	aggctcttag	ttgtttacta	cttaatattc	tccactgtca	540
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ctcctaacat a	itttttccat	tattgctaac	tactatgtag	gacagaaaaa	atgcttgaag	660
tttcctcaaa t	tagattttat	tatttaattc	tgtctgactt	taaaagattt	gcttcaaaaa	720
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<210> 1814

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1814

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<210> 1815

<211> 757

<212> DNA

<213> Homo sapiens

### <400> 1815

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gggtagtgag	ctccttgtca	taggagtatg	tgaaggagga	agcactcact	ctgtgaggtg	660
cctaggaaga	gaatcatctg	tcaaatgggc	gttgaacttg	atctatctga	ggccggggcc	720
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<210> 1816

<211> 783

<212> DNA

⟨213⟩ Homo sapiens

#### ⟨400⟩ 1816

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<210> 1817

<211> 899

<212> DNA

<213> Homo sapiens

# <400> 1817

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ag	gaaagcac	agtaataaat	tgcctactgt	tgcctaccac	aataatgaaa	gtctgaaata	180
ag:	taggaaat	gcattaagtt	acccacatgt	ccagagtagg	caaatctata	gagacagaaa	240
ga	ttagtgat	tgcttagaaa	tggaaatatg	aggctgggtg	ccgtggctca	cacctgtaac	300
CC	cagcactí	tgggaggccg	aggcgggtgg	atcatgaggt	caggagatcg	agaccatcct	360
gg	ccaacatg	gggaaacccc	gtttctacta	aaaatacaaa	aaattagccg	ggcgtgatgg	420
ca	gatgcctg	tagtcccagc	tacttgggag	gctgaggcag	aagaatggca	tgaacccggg	480
ag	gcggagct	tgcagtgagc	tgagatcgtg	ccactgcact	ccagcctggg	tgacagagca	540
ag	actccgtc	tcaaaaaaaa	aaaaaaagaa	atggaaatat	gagggtgagg	acccagtgaa	600
tg	acaggtaa	tgagtatgga	gtttctttta	agggagacaa	aaatgttcta	acattgattg	660
tg	gtggatgg	ttgcacaatc	ctgtgagtat	actaaaatcc	aatgaattat	atactttaaa	720
tg	ggtgaatt	atatggnatg	tgaattacat	ctcgaagtca	tttttttaa	atgatgggga	780
aa	tcaaagtc	tgaaaataag	acctgcttaa	aagaaatttg	açagcgatgt	tgatattact	840
ac	tttttctg	aataataacc	ataatccttt	tcagaccttc	atcctctttn	ctaaacatt	899

<210> 1818.

<211> 903

<212> DNA

<213> Homo sapiens

## <400> 1818

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actgaggact ctccacgtta ccaatctcta ctgacctacc tcaagctttg taaaatctta tttaccgaac aaattacatt tttaagtaat aattaagccc ccccttttct gtagagatat 420 ataataactg ttaacctggg gtcattttta tcgggcttta tataattcca acagaaagca 480 aaggactgtg agtgcttaag ttagcctgag cagtaaagag gcttttagac ctactgagaa 540 600 tagtttttgg attcacatta ccactgcttg acctgagact cgatttggga gctagaaact aaaaccagtt atgcctttcc attgaataga tggaggctgg gaggctcggg cttgtctagc 660 720 ttgtagggac tcaagggcac tttggtcgtg tcacggtgct gctttctctc ctgcgcgagc 780 ctcatacttg ctttctctgg tgaatggtaa aagccagcct cttggttgct attnccgggg ttagaatttc aattcctttt ttaaaactct ggttagatca gaaaccattc agacacttct 840 900 tcagaaaccc tttgggggaa ggtntgactt gggatngaaa ttggagagtt ganaggagga 903 gaa

<210> 1819

<211> 843

<212> DNA

<213> Homo sapiens

#### <400> 1819

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cct		•	. ,			843
tggcatgtgt	cttccaagac	agcttatgaa	tatctaaaaa	ggccacttcc	tgnctaggac	840
gactagctct	caacagtatt	caaggtacat	ctggagtctn	aacagagttc	tgnactcaaa	780
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<210> 1820

<211> 765

<212> DNA

<213≻ Homo sapiens

# <400> 1820

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ctcctgaacc	gaaccgaatc	ggctcctcgg	gccgtcgtcc	tcccgcccct	cctcgcccgc	180
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ttcagttcat	gaatcgtctn	cggaaacacc	tgagaagctt	accatcggtg	tctatactac	720
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<210> 1821<sub>.</sub>

<211> 790

<212> DNA

<213> Homo sapiens

# <400> 1821

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acctgcgcac	tcaaccagtg	ggccctggac	ttcgagggca	atttgcaaag	aattttaaag	180
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gccaacacca	gggnggatct	cgtgactatg	gtcaccanca	angacggtgg	gatttacttg	780
ctggccaacc		· .		• • • • • • • • • • • • • • • • • • •	•	790

**<210> 1822** 

<211> 717

<212> DNA

<213> Homo sapiens

# **<400>** 1822

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cc	aggaagcg	aggcgagcct	caggtggacg	cggtggtgtg	gaccacggcg	atcagggcct	180
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ggaggccact ccgagagaag gcggtccccg gcggaggtgg cttcgtgaat cctgcagccc 420 cctgcccgcc cgccactcga gacgccgcc ctcgtgggtt tcacgctgga tggaggggc 480 gccgccgagg atgcccagcc tncccctcta attctacctc tccagttcct caggtagaca 540 cagcctctgt ctgctgtgt tttagtgccc atggnccctc agaaattatt tttgtccct 600 cccgatagtg gctttggggg atggagggcg agagatgcaa agggccagtg gaagatttt 660 tatagcacaa gggaatcaaa cccggaagat ggangnttca ttgccaacct tggggtn 717

⟨210⟩ 1823

(211) 848

<212> DNA

<213> Homo sapiens

#### <400> 1823

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<210> 1824 <211> 697 <212> DNA

<213> Homo sapiens

<400> 1824

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⟨210⟩ 1825

〈211〉 835

<212> DNA

<213> Homo sapiens

<400> 1825 ·

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⟨210⟩ 1826

⟨211⟩ 813

<212> DNA

<213> Homo sapiens

## <400> 1826

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gaaactgggg	attcttggtg	cctgggaagg	tggtgggggc	tttttnccag	gttacattgg	. 780
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<210> 1827

<211> 804

<212> DNA

<213≻ Homo sapiens

# <400> 1827

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	cttcactcag	ttaatctctg	gaacctggcg	ttttatgtct	tcatggtctt	tctggcaacc	180
	ctggggctgt	gggatgtctt	cttcggcttc	gaggagaata	agtgcagtat	gagctacatg	240
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	gcatatgagt	tgtatcttta	tggagaggga	tcctatgctg	aagaacacaa	aattctccct	360
	ttgacgggta	ttccagttct	ctttcttcct	ggtaatgctg	gaagttataa	gcaagttcgt	420
•	tctattggct	ccattgcact	tagaaaagca	gaggacattg	acttcaagta	ccactttgac	480
	ttctttagtg	tgaacttcaa	tgaagaactg	gtggctttgt	atggtggaag	tcttcagaag	540
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<210> ,1828-

<211> 776

<212> DNA

<213> Homo sapiens

# <400> 1828

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<210> 1829

<211> 777

<212> DNA

<213> Homo sapiens

# <400> 1829

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aaacaaaagc tgtatatatt tgcaaaaaca ctatagtaga cataccagac catcagctcc 540 ctagggcttt ttatgaaaaa cagcagtcct tccccactcc cctttccagc cccttagaag 600 cagncatttt caactctcca gttccttttg gtatatctct ctaaataata agcctctttt 660 gctttacagt gtttggtatt atttattaac ttcactcctt taaatagggg tcgtttttgg 720 taggcttacc ttgaccacct tacatgccca ccnttaattg tnacttntgg ggccagg 777

<210> 1830

⟨211⟩ 681

<212> DNA

<213> Homo sapiens

⟨400⟩ 1830

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<210> 1831

⟨211⟩ 633

<212> DNA

<213> Homo sapiens

### <400> 1831

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<210> 1832

<211> 745

<212> DNA

<213> Homo sapiens

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⟨210⟩ 1833

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1833

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<210> 1834

<211> 759

<212> DNA

<213> Homo sapiens

### <400> 1834

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<210> 1835

<211> 789

<212> DNA

<213> Homo sapiens

#### <400> 1835

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**<210> 1836** 

<211> 720

<212> DNA

<213> Homo sapiens

#### <400> 1836

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<210> 1837

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# <213≻ Homo sapiens

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<210> 1838

<211> 777

<212> DNA

<213≻ Homo sapiens

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<210> 1839

<211> 698

<212> DNA

<213> Homo sapiens

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<210> 1840

<211> 464

<212> DNA

<213> Homo sapiens

## <400> 1840

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<210> 1841

<211> 639

<212> DNA

<213> Homo sapiens

## <400> 1841

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•	*	acctaccttc	•			360
• • • •		ctcactggta		•		420
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		gtttgcaaaa	•			540
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· /TION HOMO	cabicuè				-	

<400> 1843

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₹210> 1844

⟨211⟩ 815

<212> DNA

<213> Homo sapiens

#### <400> 1844

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<210> 1845

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1845

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<210> 1846

**<211> 819** 

<212> DNA

<213> Homo sapiens

<400> 1846

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<210> 1847

₹211> 833

<212> DNA

<213> Homo sapiens

#### <400> 1847

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<210> 1848

⟨211⟩ 820

<212> DNA

<213> Homo sapiens

#### <400> 1848 <sup>1</sup>

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<210> 1849

<211> 785

<212> DNA

<213> Homo sapiens

## <400> 1849

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<210> 1850

<211> 806

<212> DNA

<213> Homo sapiens

### <400> 1850

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<210> 1851

<211> 725

<212> DNA

<213> Homo sapiens

#### <400> 1851

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<210> 1852

<211> 837

<212> DNA

<213> Homo sapiens

#### <400> 1852 ⋅

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<210> 1853

<211> 803

<212> DNA

<213> Homo sapiens

# <400> 1853

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⟨210⟩ 1854

<211> 797

<212> DNA

<213> Homo sapiens

# <400> 1854

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**<210>** 1855

⟨211⟩ 791

<212> DNA

<213> Homo sapiens

#### <400> 1855

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<210> 1856

<211>.780

<212> DNA

<213> Homo sapiens

## <400> 1856

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<210> 1857

<211> 752

<212> DNA

<213> Homo sapiens

## <400> 1857

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<210> 1858

<211> 810

<212> DNA

<213> Homo sapiens

#### <400> 1858

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<213> Homo	sapiens					
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tggnn						785
<210> 1860	· · · · · · · · · · · · · · · · · · ·	•				
<211> 720				· .	•	
<212> DNA						
<213> Homo	sapiens				* · · · · · · · · · · · · · · · · ·	•

#### <400> 1860

ctgttgcttc ccgtctcctc ggcggctccc ctcccccgcc cggctctccg cgccccttct 60 gggcggcggg gcggcggagc cgtcggcgtg cggccctcct tgcgttcgtg cgtgcgcccg 120tggcccggcg cacgtcccgc gacaccgagg ccgagcggg cagggggctg accgccatga 180 cccccagag cccggcgtga gggggccgag atgcggtgac ctgccagcac ctgccgcagc 240 cttcgtccgg gagtcgcccc atctctccac gcatcggggc cctgtgcccc ttgctgctgc 300 360 agccgggcac catgtcgacc tcgtccttga ggcgccagat gaagaacatc gtccacaact actcagagge ggagatcaag gttcgagagg ccacgagcaa tgacccctgg ggcccatcca 420 gctccctcat gtcagagatt gccgacctca cctacaacgt tgtcgccttc tcggagatca 480 tgagcatgat ctggaagcgg ctcaatgacc atggcaagaa ctggcgtcac gtttacaagg 540 600 ccatgacgct gatggagtac ctcatcaaga ccggctcgga gcgcgtgtcg caacagtgca aggagaacat gtacgccgtg canacgctga aggactttca gtacgtggac cgcgacggca 660 aggaccaagg cgtgaacgtg cgtgaaaaaa ctaaacaact ggtgggcctt gntgcgcnaa 720

<210> 1861

<211> 749

<212> DNA

<213> Homo sapiens

#### <400> 1861

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cactttgttc ttgtttttgg tcttttcaaa taccttccac agtgaataat gtgtataaat 600
tgaaaactgg aagaaagaaa agggagttca gatttagttc taaaatggtt aacttggcca 660
ggcgccatgg ctcatgccta taatcccagc agatggttt aggccgangc aggaggatca 720
cttgagccca ggagttcnan accagtcca 749

<210> 1862

<211> 750

<212> DNA

<213> Homo sapiens

#### <400> 1862

cagnaactct atagagaaat aaagggtttt cccaatcctg gaaaaaaaatg gttaaaattg taaatettae atatattta eeatagtaaa aaatgaatta ggetgggeee atggeteaeg cctacaatcc cagcactttg ggaggctgag gcaggcaaat cgtttgaggc caggagttca 180 aaaccagcct ggccaacatg gcaaaactca tctctactaa aaatacaaag aaaatagcca 240 ggcatggtgg cacacacctg taatcccagc tactcaggag gctgaggcat gagaattgct 300 tggacctgga aggcagacat tggagtgagc tgagatcttc ccactgcact ccagcctggg 360 tgacatagct agactgtctc aaaaaaaaaa aaaaaagaat gaacacttaa atatttgtgg 420 cagatagagg tgttatttgc atatggaaga aaattgcttt agaaatgaaa tttctgatta ctgaaactaa agagaaagta tetettetta teatggtace aagettgagg gtgeataagt 540 cacctataga cgtaataagc attgagtttc attttttgtt tgtttttgag acaggttctc 600 660 actgttaccc agcctggagt gcagtggtac aattgtagct cactgcagcc tggacctnct 720 gggatcaagg gattccccca acctcggcct nccaagtagc tgggactata gaaatgcaac accatgccca gataatttaa ttttttttn 750

<210> 1863

<211> 886

<212> DNA

<213> Homo sapiens

#### <400> 1863

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<210> 1864

<211> 747

<212> DNA

<213> Homo sapiens

#### <400> 1864

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tetteettte aatettgaet atagtttaaa gagaatacea tgatetttet gttetattet 360 tggcttactt gaatatttag ccaggtctct gcatcttatt cagtcagaaa acagacacag 420 attcagataa ctcaaaggat gttacttgct tgagtaatcc ttgggcctcg ctttaacttt 480 gtagatccag gaacagaatt aagcagacag ttcggtctac actgccaaat ttcttaggga 540 aaaagagggc aagtcagaag gaggaagttg gcatttggct caaatgacca aattatttaa 600 gggctctaca cttcactttg caccaagtag acccaagaat gattataatt canctacgtg 660 720 tggtggtgca natcagtagt cctagctatt caggaagctg aagccggtgg aatgggttga 747acccangaat ttttaggctt gcaatga

**<210> 1865** 

⟨211⟩ 887

<212> DNA

<213> Homo sapiens

#### **<400> 1865**

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			4	
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887

<210> 1866

⟨211⟩ 711

<212> DNA

<213> Homo sapiens

<400> 1866

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<210> 1867

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1867

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tttctcaggg aaaagggaaa aagatgtacc aaaggaaata accaaagtat agaaaagaat gttctttgaa atgaggagaa aaaagatgag tttttgagag tgtatagaaa gaaaagtagc aaggttttag gcaaggttaa atactagaag ttagaaataa atcaaaatct aaaaaggcat 300 atataaagta taagtgtaat gagaaaattg agcagtttca tttttgttgt ttattagtgt 360 caacagaatt tgaaataatt ttcaagctga ttttattcat tgtttacctc cttaattata 420 taatagaaat aagtagettg tgtttettat gaaaatttae etgetaettg atgtatettt 480 540 tttcagtgca cggtagtaaa atcagttgta tatatcctgt ctaacatcag tatgcatatt atactatact gtacatttaa ttaggagttt attagctgtt ggcttaaatg agtttaaaac 600 tactttatga tcacatttgg ctcaatgaat ttggatttga gactaatctt tacataccca 660 agatgataat gttettgtet gtettagaag taaagacace aatattette ttacetteet 720 780 ttttatatcc tatttcctta tctacatctc taatatgtac cctattcaat ttcaagtatt tggttttttt ttaatggtca ntgtcctact ttttcgaaat cctgtttctt ctattaatat 840 agnectatet gacaaaagte egenaata 868

<210> 1868

⟨211⟩ 875

<212> DNA

<213> Homo sapiens

#### **<400> 1868**

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cttatctcct gaggggtgaa gtaacctggt gggtttgatc ctgttgtata caaaggaaat 600 tcacaatttt tctaatacag tggcttgtta actctgaagg caggcttcct ttggaaccct 660 ttanaaattt acctttatag tttatgagat gatatccaga actcctaaag gagtaaatat 720 tggagacaag acttgaaaga gagagccagc agtnngaagt aagggttctg aatttcttc 780 caactcatgc ctaatgggta agataagata acatcagtaa aagcctgaga atcactaagt 840 ttcatgtagg actgccttga aatgntnttg gaccn 875

<210> 1869

**<211> 827** 

<212> DNA

<213> Homo sapiens

## <400> 1869

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Ċ	cttgggagc	agcattgact	ccctttaacc	ctttagctgg	cctaaggatt	gcaggaccct	180
t	tggtgagtg	cttatgttct	aggaaagcaa	aatgtttgta	agttatgaga	agagcagaat	240
t	cactattgt	tagtcaaaat	cttaaaaaca	aacaagaaaa	ccctgaaccc	ttactttttc	300
t	cctcttcct	ctaataagta	ccatgtcttg	cacaaagacg	aatgcaacta	ggttcttctc	360
c	tcaaaggag	agtctttata	ttgtaaacat	tgtgaataat	tagcaaagta	gaaaaggagg	420
g	aatgctgag	gataaggtta	gtcagtcctc	aacactctaa	aaaaagccag	gcaagcagag	480
t	gttttgggg	agtatataag	gacctctgct	agtccagggc	ctgggagaag	tgtagcatgt	540
t	gccctgctg	gtgagcactg	gagagcgttt	ggccaattga	tgataccatt	tggtaccata	600
a	acctgatt	tgattgaccc	tggggataac	aggtaccacc	acactcacag	attcttccct	660
t	atccatgtc	agagtgttgg	aaagataaag	ttattttttc	cacaacattt	tggggactcc	720
,t	gatatatat	ttctggtcat	attttgaggc	ccagtgtcta	ntccctgatg	gacttttatt	780
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<210> 1870

<211> 871

<212> DNA

<213≻ Homo sapiens

## <400> 1870

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	aaaaggggag	aaaaggcaaa	acttcatgaa	ctagtatttt	aaatgtggaa	taaaatgata	180
	tttattgaaa	aataggccag	gcttagttgt	ccacacctgt	aatcccagcg	ctttgggagg	240
	ccaaggcagg	cagatcactt	aagtccagga	gttcaaaacc	agtttggttg	acatgatgaa	300
	accctgtctc	tataaaaaat	acgaaaatta	gctgagtatg	atggcatgtg	cctgtattgc	360
	cttagtccca	gctacttcgg	aggctgaggc	ttgaggatta	cttgaaccca	ggaggtagag	420
	gttgcagtga	accgagatcg	tgccactaca	ctccagcctg	ggcaacagtg	aaacacatct	480
	caaacttctt	aattgtcctc	ttggcatctg	ctttcaccca	ctctcatgaa	ctttttaat	540
	tgcctttccc	tggaccagct	ctagttctgc	tacagcagtc	agtaacacac	acagataagt	600
	gtacatcgcc	actagcccta	tcagtacttt	aacagtgagt	catatctttc	tcgactttct	660
-	ctgtgcctgt	ctaatttata	tatacttttt	ctnccccttc	acaatgggat	cattctttat	720
	ctgagtcatt	tgctatatct	gnatatattg	gtttaagggg	tgcatcttgg	ggtattttct	780
	ggtctgcatt	tatatnccaa	aacttttgga	aaataatttt	tttttctttc	anaaaggaat	840
	gttcaaaggt	aatattttct	tggtttggna	a	•.		871

<210> 1871

<211> 763

<212> DNA

<213≻ Homo sapiens

<400> 1871

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ccttactgtt ccccttgctg tgtagaaaca gatgcagtca gacccacata agctggactt 180 tggactgaaa cctgagttcc tgagccgccc tccaggcccc agtctttttg gagccatcca 240 ccaccccat gacctggcac ggccttcaac tttgttctct gccgctggtg agtgtgggtt 300 tgggtggggg gacagagctg agaaatgtag ttctcaggta actaaataaa tgaggtttgg 360 gctctgagct gccgctcagt caccacctac aaaaatacag ttaatgccag cttgcaaggc 420 aacatcgcag cacatccagg gagttgggaa tettcagtga tacactetet ttcattaaag 480 540 gaggaggcag agatcatctt tcccttacag ggattcacat tgcttcggtt cattatttgc 600 ttctatatta aaccagtata actcacaagc atgtcagttg ctattgagaa agatctgaag 660 gcttgcaagg gcagatcgga aggaaacaat gccaggaatt atagaaggat gcggtcgccc ttaatacggt gcccgcagag cactgtaatt ttgcaccggg atgctcantc atgccgggtt 720 763 taaaagtcct gaggataaag aaaggcgatt nangcagttg cca

<210> 1872

<211> 795

<212> DNA

<213> Homo sapiens

#### <400> 1872

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gtctncatga ccaacctacg agctatgaga tattactacc ccttttttgg atagacacag 720
angtgaatag cttgcccatg gacacacatc tactaagtgg taaaactggn aatcgaaccc 780
aggcagtctt tncca 795

⟨210⟩ 1873

<211> 784

<212> DNA

<213> Homo sapiens

#### <400> 1873

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<210> 1874

<211> 865

<212> DNA

<213> Homo sapiens

# <400> 1874

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<210> 1875

<211> 787

<212> DNA

<213> Homo sapiens

# <400> 1875

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<210> 1876

<211> 870

<212> DNA

<213> Homo sapiens

## <400> 1876

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<210> 1877

⟨211⟩ 871

<212> DNA

<213> Homo sapiens

#### <400> 1877

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<210> 1878

<211> 762

<212> DNA

<213> Homo sapiens

# <400> 1878

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<210> 1879

**<211>** 702

<212> DNA

<213≻ Homo sapiens

# <400> 1879

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<210> 1880

**<211> 819** 

<212> DNA

<213> Homo sapiens

#### <400> 1880

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<210> 1881

<211> 768

<212> DNA

<213> Homo sapiens

#### <400> 1881

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**<210> 1882** 

⟨211⟩ 685

(212) DNA

<213> Homo sapiens

#### <400> 1882

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<210> 1883

<211> 832

<212> DNA

<213> Homo sapiens

#### <400> 1883

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<210> 1884

⟨211⟩ 819 .

<212> DNA

<213> Homo sapiens

<400> 1884

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<210> 1885

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1885

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<210> 1886

⟨211⟩ 645

<212> DNA

<213> Homo sapiens

#### <400> 1886

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<210> 1887 <211> 685 <212> DNA

<213> Homo sapiens

## <400> 1887

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ttccttgcgg	agagcacaag	tgagctnact	gccctggact	tcanggaatc	agagttcttg	660
gccgcggggt	gaaccaactt	ctctg	•		• •	685

<210> 1888

<211> 609

<212> DNA

<213> Homo sapiens

#### <400> 1888

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ttgnggncc 609

<210> 1889

⟨211⟩ 853

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 1889

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<210> 1890 <211> 761

<212> DNA

<213> Homo sapiens

## <400> 1890

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cgcgtcatca	aggccatgaa	caacaactgg	cacccgggct	gcttccgctg	cgagctgtgt	360
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tgcctgcctg	ccatgacaag	atgggcgtcc	ccatctgcgg	ggcctgncgc	cggccatcga	660
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<210> 1891

<211> 742

<212> DNA

<213> Homo sapiens

## <400> 1891

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tcatattgat tttaaagtga tctagctgag tttttacact gaaagcaaag attatagcaa 180 ttgtagtcca tggtatttat tttcagtcaa accaaagtta catataattc tgcctctgct 240 tatacgggat attaacacta acaatacact cccttcaaag acttgcacag gccaaattgt 300 tggaatgctg gttttcttga caattccaaa ccccaaaact atgataatga gttatgatgt 360 agttgaaaat agcatagtca gatgtttgct taaaacctag aaacttaaca tgttgctttt 420 catgtgctgt gccaagtctt gataatactt tttcccccaa ccaagggacc tcataacctg 480 attatggtta ttgctttaca aacagttttg acagaaggtg gctgctagag cttaacatac 540 gttcccgttc catgtgatgg aaccggttct tgcaaactaa gctcatcatt gattctttgc 600 660 tgaagtcagc aaatagagtt agagagatac ccagtcatct atcacaccaa ataaaaggac ataacggett teaaaanggt ttteceaett acceaaaagg etttetgaaa gettetaeet 720 742 ctgcaaaaaa aaaaaaggaa nn

<210> 1892

<211> 882

<212> DNA

<213> Homo sapiens

#### <400> 1892

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aaaaggccag gcttcttccc cactgcaaaa ggcgnggacc tt 882

<210> 1893

<211> 840

<212> DNA

<213> Homo sapiens

#### <400> 1893

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<210> 1894

<211> 786

<212> DNA

## <213≻ Homo sapiens

## <400> 1894

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gggccgctca	agttcattca	taagaacaag	agctcttgct	cttaaaggaa	cccgcgttcc	720
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cattng		•	•			786

<210> 1895

<211> 888

<212> DNA

<213> Homo sapiens ⁴

## <400> 1895

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cctagcatcc tctctttccc ctttgatagc attttatccc tggtttaagg ggttgttaaa 360 cagtccgtct tccacatcag acagtagtct ctatgaaggc aggaaccctg tctatcttgt 420 tcactcttgc cccttgtgtg gcatgtgctt agtataccta aatggtgact gaatggatga 480 gtaatagcac acaagatcgg cagcaatgct ccagtgttta aagcaatcaa ggtattggaa 540 catatettet aattgtaatt etttggtttt tgeagtgtte aacatttget gttgtaataa 600 tatatgaagc atttagactt gtagcttttg gggcagaaat gctcatagat gaactaccag 660 gaactccact gtttccctgg ctttccttcc tttgggctgg ggattttaat aaactgtcag 720 tcacagaacc atncccaatt ccccttggaa cacacactag aacaataata tgaggaagtg 780 840 agcagcaatc tcaggaactt aacttancgt catcagatgg nagttttgga atgaccattt gcaacttcat gctggtgagt ttcccagatt tcccctggtn ctacttta 888

<210> 1896

<211> 852

<212> DNA

<213> Homo sapiens

#### <400> 1896

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<211> 917

<212> DNA

<213> Homo sapiens

## <400> 1897

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<210> 1898

<211> 838

# <212> DNA

# <213≻ Homo sapiens

## **<400>** 1898

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<210> 1899

<211> 915

<212> DNA

<213> Homo sapiens

# <400> 1899

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<210> 1900

**<211> 754** 

<212> DNA

<213> Homo sapiens

#### <400> 1900

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<210> 1901

⟨211⟩ 830

<212> DNA

<213> Homo sapiens

#### <400> 1901

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<210> 1902

<211> 740

<212> DNA

<213> Homo sapiens

#### <40.0> 1902

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<210> 1903

<211> 913

<212> DNA

<213> Homo sapiens

#### <400> 1903

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accctcttca ctgtttttc tcgaacagaa cacttaagcc ctctcaccgt catcaccaaa 180
gagactgaaa aagcagtgcc ccccagagac attgaagaag gcaatgtgaa gatgctgggc 240
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aagctacgac gcaataggag gtccatcctg gatgacagct tcaagcttct gtcttcaaa 420

cagtaacatc tggagcctgg agatatcctc aggaagcaca tctgtagtgc actcccagca 480 ggccatggac tagtcactaa ccccacactc aaaggggcat gggtggtgga gaagcagaag 540 gagcaatcaa gcttatctgg atatttcttt ctttatttat tttacatgga aataatatga 600 tttcactttt tctttagttt ctttgctcta cgtgggcacc tggcactaag ggagtacctt 660 attatectae ategeaaatt teaacageta cattatattt eettetgaca ettggaangt 720 attgaaattt ctagaaaatg tatccttctc acaaagtaga gaccaagaga aaaactcatt 780 gatgggttte tacttettte aaggeteagg aaattteact titgaactga gggecaantg 840 900 agctgttaag atacccacac tttaacttaa aggctaanaa tntaggcttg atgggaaaat 913 tgaaaggtag, ctt

<210> 1904

<211> 762

<212> DNA

<213> Homo sapiens

#### <400> 1904

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<210> 1905
<211> 662
<212> DNA
<213> Homo sapiens

#### <400> 1905

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<210> 1906

⟨211⟩ 874

<212> DNA

<213> Homo sapiens

#### <400> 1906

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<210> 1907

<211> 806

<212> DNA

<213> Homo sapiens

#### <400> 1907

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<210> 1908

<211> 752

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 1908 -

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<210> 1909

<211> 760

<212> DNA

<213> Homo sapiens

# <400> 1909

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ctccaactgt	gcaccacagc	gagaccccat	ctcaaaaaaa	aaaataataa	taataataaa	180
atcatctctg	ccccaaagct	atttcctcag	atgcaaacat	tttccttgac	catagccaat	240
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cttctccaca	gagggtctgc	cagttcagat	gctgaaaagt	ttttctatct	ggagaaaccc	360
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tacaaatgag	cagctgaaaa	ggcacacaag	cttaagttgc	agaagacaca	cacttgattt	480
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gattgcttga	gcccaggagt	ttgagactag	cctgggcaac	atagtgaagc	cctggtctct	660
acaaaaaata	gaaaaaaaat	tagccgggtt	tggtggcatg	cgcctagacc	cagctactgg	720
gangctaagg	tggganggat	ggctttgagc	ctgggangca	\$ \$		760

<210> 1910

<211> 702

<212> DNA

<213≻ Homo sapiens

## <400> 1910

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tgtgtgtgtc	tctataccaa	taacagagct	tagtgaactt	tgaattactt	gcttggcaat	180
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cttatccccc	accacctagt	tgcgacctag	ttgccacacc	aaaatgccac	cagtcattgc	420

caatttttt ttgtcccta cctctgggg acaaaaatct cacagttgag aatcactgct 480
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gggtttgttt tagagcatac agaatattgg tatggtattt tgaattgtat aacaattgta 600
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<210> 1911

<211> 737

<212> DNA

<213> Homo sapiens

#### <400> 1911

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<210> 1912

<211> 797

<212> DNA

## <213> Homo sapiens

### <400> 1912

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<210> 1913

**<211> 822** 

<212> DNA

<213> Homo sapiens

### <400> 1913

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<210> 1914

<211> 745 ·

<212> DNA

<213> Homo sapiens

### <400> 1914

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<210> 1915

<211> 809

<212> DNA

<213> Homo sapiens

## <400> 1915

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<210> 1916

⟨211⟩ 833

<212> DNA

<213≻ Homo sapiens

<400> 1916

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<210> 1917

<211> 861

<212> DNA

<213> Homo sapiens

#### <400> 1917 ⋅

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<210> 1918

<211> 860

<212> DNA.

<213> Homo sapiens

#### <400> 1918

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<213> Homo sapiens

<400> 1919

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<210> 1920

**<211> 865** 

<212> DNA

<213> Homo sapiens

<400> 1920

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<210> 1921

<211> 772

<212> DNA

<213> Homo sapiens

### <400> 1921

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gagtcgtgga catccccatt gtggagaagg aggcgcaagg ccagcagcaa caccacaaga 660 tgacattgtc cccgagctac cgnatggacg atgggaaaat ggtgaaagtg cggcgcaacc 720 cggaatgcgc aagtttgctg taacttagta ccaggtgctt aacancactn tt 772

⟨210⟩ 1922

<211> 800

<212> DNA

<213> Homo sapiens

#### <400> 1922

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**<210> 1923** 

<211> 814

<212> DNA

..<213> Homo sapiens

#### ⟨400⟩ 1923

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<210> 1924

<211> 688

<212> DNA

<213> Homo sapiens

#### <400> 1924

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<210> 1925

<211> 674

<212> DNA

<213> Homo sapiens

### <400> 1925

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<210> 1926

<211> 625

<212> DNA

## <213≻ Homo sapiens

## <400> 1926

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<210> 1927

<211> 859

<212> DNA

<213> Homo sapiens

## <400> 1927 /

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**<210> 1928** 

<211> 756

<212> DNA

<213> Homo sapiens

#### <400> 1928

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<210> 1929

<211> 718

<212> DNA

<213> Homo sapiens ∫

# <400> 1929<sub>x</sub>

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<210> 1930

<211> 795

<212> DNA

<213≻ Homo sapiens

## <400> 1930

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<210> 1931

⟨211⟩ 707

<212> DNA

<213> Homo sapiens

### <400> 1931

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<210> 1932 <211> 865

<212> DNA

<213> Homo sapiens

<400> .1932

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<210> 1933

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1933

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